Classifying chemical reactions worksheet answers pg 63

I'm not robot!

Name _____ **Balancing Act 2**

This activity will help you become skilled at balancing chemical equations.

1. Cut out the squares that the bottom of the paper.
2. Decide whether or not each equation is balanced. If it is not, decide how to balance it, pasting the small squares as needed into the spaces.
3. Some spaces will not require a number.

1. ___ S_8 + ___ O_2 → ___ SO_3
2. ___ Na + ___ H_2O → ___ NaOH + ___ H_2
3. ___ $C_{17}H_{35}$ + ___ Cl_2 → ___ C + ___ HCl
4. ___ Si_2H_6 + ___ O_2 → ___ SiO_2 + ___ H_2O
5. ___ FeS_2 + ___ O_2 → ___ Fe_2O_3 + ___ SO_2
6. ___ Fe_2O_3 + ___ H_2 → ___ Fe + ___ H_2O
7. ___ H_2O_2 → ___ H_2O + ___ O_2
8. ___ SO_2 + ___ HF → ___ SF_4 + ___ H_2O
9. ___ K + ___ Br_2 → ___ KBr
10. ___ S_8 + ___ F_2 → ___ SF_4

4	11	2	2	2	8	2	16	2	6
8	8	4	11	2	2	2	2	8	10
12	2	2	4	2	24	8			

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Types of Chemical Reactions

Do atoms rearrange in predictable patterns during chemical reactions?

Why?

Recognizing patterns allows us to predict future behavior. Weather experts use patterns to predict dangerous storms so people can get their families to safety. Political analysts use patterns to predict election outcomes. Similarly, chemists classify chemical equations according to their patterns to help predict products of unknown but similar chemical reactions.

Model 1 – Types of Reactions

Set A Synthesis Reaction

$4Fe(s) + 3O_2(g) \rightarrow 2Fe_2O_3(s)$
$N_2(g) + 3H_2(g) \rightarrow 2NH_3(g)$
$2SO_2(g) + O_2(g) \rightarrow 2SO_3(g)$
$MgO(s) + H_2O(l) \rightarrow Mg(OH)_2(aq)$
$P_2O_5(g) + 3H_2O(l) \rightarrow 2H_3PO_4(aq)$
$SO_3(g) + H_2O(l) \rightarrow H_2SO_4(aq)$

Set B Decomposition Reaction

$MgCO_3(s) \rightarrow MgO(s) + CO_2(g)$
$8Li_2S(s) \rightarrow 16Li(s) + S_8(s)$
$2H_2O(l) \rightarrow 2H_2(g) + O_2(g)$
$2KClO_3(s) \rightarrow 2KCl(s) + 3O_2(g)$
$2Na_2O_2(s) \rightarrow 2Na_2O(s) + O_2(g)$
$(NH_4)_2CO_3(s) \rightarrow 2NH_3(g) + H_2O(l) + CO_2(g)$

Set C single replacement reaction

$2FeCl_3(aq) + 3Zn(s) \rightarrow 2Fe(s) + 3ZnCl_2(aq)$
$2Al(NO_3)_3(aq) + 3Ca(s) \rightarrow 3Ca(NO_3)_2(aq) + 2Al(s)$
$Mg(s) + CuSO_4(aq) \rightarrow MgSO_4(aq) + Cu(s)$
$2Al(s) + 6HCl(aq) \rightarrow 2AlCl_3(aq) + 3H_2(g)$
$Cl_2(g) + 2NaBr(aq) \rightarrow 2NaCl(aq) + Br_2(l)$
$ZnBr_2(aq) + F_2(g) \rightarrow ZnF_2(aq) + Br_2(l)$

Set D Double Replacement Reaction

$AgNO_3(aq) + NaCl(aq) \rightarrow AgCl(s) + NaNO_3(aq)$
$2HNO_3(aq) + Mg(OH)_2(aq) \rightarrow Mg(NO_3)_2(aq) + 2H_2O(l)$
$Na_2CO_3(aq) + CaCl_2(aq) \rightarrow CaCO_3(s) + 2NaCl(aq)$
$FeS(s) + 2HCl(aq) \rightarrow H_2S(g) + FeCl_2(aq)$
$HCl(aq) + NaOH(aq) \rightarrow H_2O(l) + NaCl(aq)$
$FeBr_2(aq) + K_3PO_4(aq) \rightarrow FePO_4(s) + 3KBr(aq)$

1. The chemical equations in Model 1 contain the phase notations (s), (l), (g), and (aq). Match each symbol with its meaning.

   dissolved in water (aq) liquid (l) solid (s) gas (g)

2. Based on the examples provided, which set(s) of reactions in Model 1 typically involve ions in solution (A, B, C or D)? Set D

3. Based on the examples provided, which set(s) of reactions in Model 1 typically involve gases and/or solids? Set B

Chemistry (3/4)

Infinite Campus Update:

- Conservation of Mass Lab (12pts.)
- Balancing Chemical Equations (10pts)

Objectives:

- Balancing Chemical Equation Quiz
- Classifying Chemical Reactions
- Discuss Law of Conservation of Mass Lab

Homework: (Due Wed.)

- Balancing Chemical Equations Worksheet
- Classifying Chemical Reactions Worksheets

Balancing Chemical Equations

Balance the equations below:

1) ____ N_2 + ____ H_2 → ____ NH_3

2) ____ $KClO_3$ → ____ KCl + ____ O_2

3) ____ NaCl + ____ F_2 → ____ NaF + ____ Cl_2

4) ____ H_2 + ____ O_2 → ____ H_2O

5) ____ $Pb(OH)_2$ + ____ HCl → ____ H_2O + ____ $PbCl_2$

6) ____ $AlBr_3$ + ____ K_2SO_4 → ____ KBr + ____ $Al_2(SO_4)_3$

7) ____ CH_4 + ____ O_2 → ____ CO_2 + ____ H_2O

8) ____ C_3H_8 + ____ O_2 → ____ CO_2 + ____ H_2O

9) ____ C_6H_{10} + ____ O_2 → ____ CO_2 + ____ H_2O

10) ____ $FeCl_3$ + ____ NaOH → ____ $Fe(OH)_3$ + ____ NaCl

11) ____ P + ____ O_2 → ____ P_2O_5

12) ____ Na + ____ H_2O → ____ NaOH + ____ H_2

13) ____ Ag_2O → ____ Ag + ____ O_2

14) ____ S_8 + ____ O_2 → ____ SO_3

15) ____ CO_2 + ____ H_2O → ____ $C_6H_{12}O_6$ + ____ O_2

16) ____ K + ____ MgBr → ____ KBr + ____ Mg

17) ____ HCl + ____ $CaCO_3$ → ____ $CaCl_2$ + ____ H_2O + ____ CO_2

18) ____ HNO_3 + ____ $NaHCO_3$ → ____ $NaNO_3$ + ____ H_2O + ____ CO_2

19) ____ H_2O + ____ O_2 → ____ H_2O_2

20) ____ NaBr + ____ CaF_2 → ____ NaF + ____ $CaBr_2$

21) ____ H_2SO_4 + ____ $NaNO_2$ → ____ HNO_2 + ____ Na_2SO_4

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You can track the progress of your request at: If you have any other questions or comments, you can add them to that request at any time. Send another report Close feedback form topics consider the following federal tax bracket Find the federal income tax of a married couple with no children who have combined income of $225,000. . mail.google.com C + FIT MyFIT – Stud.. FIT… You take out a loan for $3,000. You pay back the loan with n annual payments of $900 plus a smaller final payment made one year after the last regular payment. Assume the payments occur at the end of … Previous Page Next Page Page Question 22 (3 points) Solve the system of equations using a method of your choice. Show checks 4m = 17 – n 3n + 4m – 3 Add the following vectors by components to find the resultant vector (magnitude and angle). G = 1653, 0G = 36.370 H = 9807, OH = 253.06 Express as a Fourier series the real function: f (x) = { −1 for − 1 ≤ x < 0 +1 for 0 ≤ x ≤ 1 , } ?… an object moving at 2km/h is brought at a full stop in 2 seconds what is the acceleration , and how far does it travel before stopping It is a nonlinear course problem. Professor makes an example with a contradiction proof, but not sure if that can be used in this problem. Given x* is a global minimizer, asks you to prove that it is … Please can you help with this problem, I am really lost on where to start, please can you show all the steps?? A club has 8 men and 7 women. How many ways can a committee of 4 be formed if there must be A. 2 women and 2 men? B. at least 2 women? 2075 (b) Look at the last data value. Does it appear to be an outlier? Could this be the owner's salary? O No, it is not an outlier, but it is likely the owner's salary. Yes, it is an outlier, but it … A furniture manufacturing company manufactures dining-room tables and chairs. A table requires 12 labor-hours for assembly and 5 labor-hours for finishing. A chair requires 6 labor-hours for assembly … Pre-lab questions Please type the answer You are asked to obtain The average mass of one Eminem candy from a bag that contains 250 individual candies. What method below would provide the most accurate… A racket is launched from a platform. Its height in metres, x seconds after the launch. is modelled by: hut} = -4[x+ 2;:{x — 1a] a. What is the height of the Packet at the time at launch? h. Haw … If Jacob's salary of $3,850 per month is increased by 3 3/4% what is his new monthly salary? Hi! I'm working on discrete mathematics and its applications 8th edition, section 2.1 exercise 21 d), which states: what are the cardinality of each of these sets: d) {a,{a},{a,{a}}} My answer … Question 1. (2 Marks Find the extremal for the following: 2 2tic + 22 dt with x (1) = 0, x(2) = 16.5 1 t2 help with the problem. Suppose that the selling price p of an item for the quantity a sold is given by the function P = – 2 + 44 (a) Express the revenue R as a function of r. (R = x . p) R (b) How man… (a) A Gaussian process regressor has been initialized with the kernel function K(x, y) = xy. and the first two data points {(x (1) , t (1)), (x (2) , t (2))} = {(1, 1), (2,-1)} have been sampled. … Ron invests Z at the end of each year for 7 years at an annual effective interest rate of 3%. The interest credited at the end of each year is reinvested at an annual effective rate of 6%. The accumul… hi there, for this question there is instruction below and what i have got so far. i received the feedback from the TA and if you can help me correct this one, then please type the handwritten one int… If the company sells 120 patio sets, use the model created in part e to find how much revenue will be generated? I need helppppp !!!!!. Calculate the volume of this irregular solid to the nearest cubic centimeter. What is the volume of the key? cm I really need help on these sums(transformations pt3). 6. N (a) Describe fully the single transformation that maps (i) triangle A onto triangle B. ……. [2] (ii) triangle A onto triangle C, was … 1.Define and compare general-purpose, specialized, and mobile applications. [-/4 Points] DETAILS BBUNDERSIA Consider a binomial experiment with n = 6 trials where the probability of success on a single trial is p = 0.35. (Round your answers to three decimal places.) LO USE SA… please help , Geometry assignment !! thank you ?. Use the figure below to answer the following questions. (a) Determine the volume Round your answer to 2-decimal places Number cm3 (b) Determine the… Skippy the Kangaroo is playing jump rope, but he tires as the day goes on. The heights hn (inches) of successive jumps are related by the recurrence A point P[?,3,2]T is attached to a frame in, o ,a] and is subjected to the transformations described next. Find the coordinates of the point relative to the reference frame at the conclusion of tra… Solve the following problem.. Prove that n k 2n-k = n . 3n-1 k k=1 for all positive integers n. Sample F(t)= sin(at)+sin(bt) at different sampling rate, perform FFT on the sampled data, and determine the frequency of F(t) For each of the following figures, plot the contour lines for f(x, y) = 0, f(x, y) = 1 and f (x, y) = -1 on the same graph. 2 = f(x, y) = Vi+ y 4 4 4: (a) f(x, y) = 0 (b) f (2, y) = Vx2+ 32 (c) f(x… (20 pts) Construct a Turing machine that recognizes the set of all bit strings that end with the sequence 1011. Write down 5-tuples for the Turing Machine. (You will only earn at most half-credit … Según la recomendación de un experto la impermeabilización de una piscina se debe realizar en 2 pasos, primero se aplica una mano de impermeabilizante y se deja secar durante 48 horas y después … can you help me find the length indicated. I POS Find the length indicated. 2 3 U S T thanks. Question 3 (Expected Values): Mr. C has to choose between mutually exclusive options X and Y, and the probable outcomes of each option are as follows: Option X Profit/ (Loss) Probability $ 0.8… Calls to the Dryden fire department arrive according to a Poisson process with rate 0.5 per hour. Suppose that the time required to respond to a call, return to the station, and get ready to respond t… The height of waste bin manufactured by a factory for a garden have a normal distribution with mean as 1.25 m and standard deviation of 10 cm. How many percentage of waste bins manufactured were … Suppose consumers will demand 65 units of a product when the price is 15.30 per units and 20 units when by the price 18.30 each find the demand equation assuming linear find the 60 units are demande… What is the relative condition number of f(x)=(1-cosx)/sinx and how did you get it? I rationalized it first then threw it into the condition number formula but I am not sure if that is correct. please help this dimensional analysis questions in part B, (get the part A is 26.9m, need the part b), thanks you. 3E. The energy head loss K in a flow system is to be determined using the Bernoulli'… can you make me reflection on simple and compound interest? [5] 2. Let Pi = Pij E RX" be the permutation matrix which, when pre-multiplied to another matrix, swaps rows i and j of that matrix with i < j. Using the notation for Ck above, prove that Ck =… The following Table on the right shows the results of a car's motion: (a) Plot a position-time graph of the motion (2K … Using Bisection method solve a root of an equation y = x-cos(x) at an initial interval of a = 0 and b = 4 when the required tolerance is 1×10^-6? . 5. Using Bisection method solve a root of an eq… I have no idea on part (b) and (c). Thx!!. N 2. Let A denote the 2 x 2 matrix We define a function (, .) : R2 x R2 – R by taking N (x, y) = y' Ax, for each pair of vectors x, y E R2. (Technically, t… Investor Matt has $727,000 to invest in bonds. Bond A yields an average of 8.6% and the bond B yields 8%. Matt requires that at least 4 times as much money be invested in bond A as in bond B. Yo… . (a) Construct a quadrature formula in evaluating the integral / f(x) dx by using the nodes b- a To =a+-h, n=a+-h, 12=b- 191 09 -h. h= 3 (5 marks) Please provide Handwritten answer. Consider missing information from your side. 5. (PRACTICE WITH DIFFERENTIAL 1-FORMS) X2 2 0 1 2 3 CALCULATE the value of the 1-forms (=covectors) wl = dal, w2 = x'dx… could u please answer questions 2,3,4. A radioactive isotope has a half -life of 2 days. If the mass of the substance is initially 24 g, how much will remain after 6 days? Show your work. Question 3 (… #1 If x^2 = 5, what are the values of x? On my study guide it say this problem is an example of a quadratic equation. I am having trouble figuring out how to solve it. I have another example of this s… . (2) (a) Show by inspection of Riemann-Stieltjes sums that if in the integral [fdo, the function o(r) is replaced by a(r) + C, the value of the integral does not change. (b) [~Ash 6.1.2] Let for r… QUESTION 4 . 1 POINT James received his 40 hour paycheck for $980. How much does james earn during an 8 hour shift? Interpret your answer. Select the correct answer below: Tickets for a raffle cost $16. there were 755 tickets sold. one ticket will be randomly selected as the winner, and that person wins $1700 and also the person is given back the cost for the ticket. fo… Find the points on the given surface at which the tangent plane is parallel to the indicated plane. X2+y2+22=7;6x+2y+4z=1 (x, y, z) = (|:|) (smaller x—value) (x, y,z) = (|:|) (largerx-value) lml if un = 3un−1 − 2un−2, u1 = 3, u2 = 5 then prove that un = 1 + 2 n, ∀n ∈ n Solve for y in terms of x. Need Help? Read It Viewing Saved Work 3. [-/1 Points] DETAILS HARMATHAP12 Solve for y in terms of x. 12x + Y = 23 Need Help? Read It 4. [-/1 Points] DETAILS HARMATHAP12 Solv… Please see attached screenshot everything been provided. (need help on B,C) on writing the sage code provided it under the text. sagemath : . — This ques… how to solve this problem. 1 -C140 067 -12 P = 2 450 [(Bennett Briggs 2015, 4B) Suppose the scores on a mathematics exam were normally distributed with a mean of 68 and a standard deviation of 8. [6] a. About what percentage of scores were above 60? b. A… Sir i am stuck for this question . 6.3 Equations of planes in Math Equation 15. Find the distance between the given parallel planes. a. x – y + 2z = -3, 3x – 3y + 6z = 1 b. xty – z = 1, 2x+2y – 2z = … What are complex numbers? and the powers of complex numbers? And how are these useful to real life? Help me this question clearly step by step pls!. Question 3. (a) Calculate (sin2 x – sin3 x) cos x dx. (b) Calculate dx. x In(2-5) (c) Calculate d COS XX Vt2 + 1 dt. dx J sin x 17-19 tally, frequency, relative frequency, percentage,cumulative frequency, midpoints Sir, i am stuck on this question with explanation Asap Please . 2. A design for a stripy scarf is to consist of horizontal stripes, each of which can be any of the four colours red, green, orange and blue. (i) How many designs are there with n stri… They made a combination of 3-legged and 4-legged stools. Part A: On Monday, they used 21 legs and 6 seats. Using all of the materials, how many 3-legged stools and 4-legged stools did they make? Show … Consider the path A-C-D-G-H of the project given in the table below & answer questions: (Round all answers to 4 decimal places) Activity Expected time (t) Variance A 6 0.17 B 6 1.19 C 9 1.85 D 7 0… Number of voters 10 7 5 5 4 1 st choice A D B C B 2 nd choice C B C D C 3 rd choice B A A A D 4 th choice D C D B A A group of students were asked to vote on their favorite ho… I need help with Problem 2. Problem 1. (40 points) Let fo, f1, f2, … be the Fibonacci sequence defined in zyBooks (fo = 0, f1 = 1, and for every k > 1, fk = fk-1+ fk-2). This problem will help… Prove why these graphs have no Hamilton Circuit.. f a C d e h. (j) a C d e h What number should be added to 77 to make the sum 0? (5 points) a. 77 Selected: b. -77 This answer is correct. c. 0 d. -76 I need help. A woman deposits $10,000 at the end of each year for 5 years in an account paying 8% interest compounded annually. (a) Find the final amount she will have on deposit. (b) Her brother-in-l… Any help would be really appreciated! . Exercise 1) Consider the following IP: min 3×1 – 2×2 + 3 + 10×4 s.t. 1 + 2+ 2×3 2 3 10×1 + 34 2 7 2ac2 + 7203 + 204 2 3 21 + 2+ 3+ 4 > 20 xi integer Vi E… QUESTION 2 (a) The second-order Runge-Kutta method to solve the equation dy = f(z,y), y(Io) = yo at the equidistant points =], 12, is given by the equations Un+1 = Un + aki + bkz, ki = hf(In, Un), ky … Complete each of the following: Show your work. a. 17 + (-3) + (4) + (-2) = b. 15 -3 – (-5) + 2 = c. (-27)(54) = d. (113)(-2) = e. (-14)(-100) = f. -34/-2 = g. 322/-11 = 5. Evalua… In your initial post, describe a real life measurement that you have observed, and explain why you feel your data either follows or does not follow a normal distribution. For instance, you may have me… A group of scientists studying the population of small marsupials used N to stand for the number of animals in the population and t for the number of months since they began the study, with the entire… Write the equation for the function graphed below. . … . . .. i. .. … . – .. .. X -5 . .. . ….. .." …5… . . .. ‘ .. .. ..im… Simple linear program Consider the following linear program: max 2×1 + X2, subject to 12×1 + 3×2 _ 60, 3×1 – 22 2-7, X2 – 10, x1 2 0, 12 free. (a) Draw a graph of the constraints and shade in the f… At a local Walmart store, a Coke dispenser held 22 1/5 gallons of soda. During working hours, 14 2/5 gallons were dispensed. How many gallons of Coke remain? Jhom owns 85 shares of common stock, worth 500 pesos per value. If the corporation declares a 6 1/2% dividend, what is the total dividend that jhom should get? Did jhom makethe rghit decision to invest in those … QUESTION 2 23 5 7 Given the matrix: 1 3 4 2 ab c d The transpose is Fill in the blanks for the variables of the transpose. e f gh a= , b= C= , d= e= , f= g= h= write an expression for the distance in terms of velocity and time. Let B be a symmetric positive-definite matrix, and let s be a nonzero n-vector. Prove that the matrix 1 BJ = B – BssTB STBs has one zero eigenvalue and n-1 positive eigenvalues. Hint: to prove the sec… Current Assets $50,000 Total Assets 88,000 Current Liabilities 20,000 Total Liabilities 40,000 Stockholders' Equity 48,000 Net Income 31,000 Given the above values, determine the Current Ratio. Show that the MCLP is a special case of the pMP by showing how to set the parameters of the pMP so that solving it is equivalent to solving the MCLP. Daniel paid PP8,600 on a loan made 2 years before at 6 % compounded semi annually. Find the interest generated. 5. What rate converted quarterly is equivalent to an effective rate of 10%. Consider the following Minitab display of two data sets. Variable N Mean SE Mean StDev Minimum Q1 Median Q3 Maximum C1 20 20.00 1.62 7.26 7.00 15.00 20.00 25.00 31.00 C2 20 20.00 1.30 5.79 7.00 20.00 … At auction on August 18, 2005, 3-month T-bills were sold at a discount of 3.470% What was the simple annual yield? For a given matrix A, show that the following two statements are equivalent: i) A x >= 0 and x >= 0 implies that x 1 = 0 ii) There exists some vector p >= 0 … Need help with step by step solution. 1. (21 pts) LetU = {0, {1, 2}, {3}, 4, {5} } , A = { {1,2},4} and B = { {1,2), {5} } . Find the following operation (16 points) (a) AnB (b) A\B (c) AUB (d) Ac (e)… A drawbar support assembly is shown in the figure. The force in the lifting-link is 2000 lb. Determine the vertical and horizontal components of the force. Sir i am stuck for this question . 3. For each pair of the following planes, find a parametric equation of the line of intersection of the two planes. a. x – y+ z= 2, 2x – 3y+z= -1; b. 3x – y+ 3z = -…) (4 points) If you are told the population of a country is 3,500,000 what would you expect are the range of possibilities are for what the exact population is. Explain why your answer is mathematical… I am needing help with all of these questions?. 7) The probability that a house in an urban area will be burglarized is 5%. If 20 houses are randomly selected, what is the mean of the number of houses… A small publishing company is releasing a new book. The production costs will include a one-time fixed cost for editing and an additional cost for each book printed. The total production cost C (in … can someone help me please ?. MATH IN THE MODERN WORLD Quiz- Data Management Topic 1 Name: Date: 1. Below is a summary of color preference of 400 randomly selected car buyers in Cebu: black red blu… SIMPLEX METHOD ———————————————————————————————— SAMPLE EXAMPLE BUT WITH SOLUTIO… Translate into a variable expression than simplify A number n decreased by the difference between 6 and the number . 2. Show that in a Hilbert space with induced norm < x, x >= |/x||2, we have ||LII = III*1/. Seconds, feet, feet per second, or none of the units. Help wanted. . Here is a data set: 542 578 589 384 496 595 512 128 614 748 628 710 540 663 130 541 503 759 660 501 682 689 709 529 528 615 432 491 Construct a grouped frequency distribution ta… Three coins are tossed at the same time in a game. How many elements are in the sample space for this game? Select one: a.8 b.27 c.3 d.6 Please provide Handwritten answer consider missing information from your side. Problem 6. Let ? denote a disk with radius a = 1. Write the solution to the following problem on in the series form On = … I'm unsure how to solve this, since it is a sphere should the limits be 0 to 2pi? What would be the best way to integrate using spherical coordinates?. Evaluate volume of a hall using the integral iff… for a continuous random variable denoting lifetime of a unit with hazard rate function h(.) : h(t) = c1+c2t, t>0; c1>0: c2>0. Find (i) Reliability function (ii) Failure Density Function… O Question 16 0/1 pt 2 0 Details A tiny cube shaped space inside a computer chip has been measured to be 0.00000293m wide, 0.00000014m long and 0.0000255m high. What is its volume? Write your answer i… Calculate for the price elasticity. Show the solution how did u get it 2. Determine whether sushi is elastic, inelastic, unitary. Explain why 3. Make a table Problem Sissy loves to eat s… z-transformation. Question 1 [15] Determine z transform of 1.1 & 1.2 11 ((-5)*) 1.2 (sinkn] 1.3 Use the first shift property to calculate the z transform of the sequence (y), with VA = 0 (k < 3… Please show full solutions There are oblique asymptotes or holes in the following. Find any holes, asymptotes, and x-intercepts-intercepts. Make a sketch of each graph. 1. y = x 2 + 5 x + 4 x 2 … Derive the characteristic equations for the matrices 611 62 (:3 A: i: g] and B: [[31 b2 b3], C1 C2 C3 where all the matrix elements for both matrices are real numbers. Use these characteristic equatio… please help! (:. You are in charge of purchases at the student-run used-book supply program at your college, and you must decide how many introductory calculus, history, and marketing texts should be … FULL WORKING OUT PLEASE . Section 4 Part A A deep—submergence vehicle [DEW is to be designed to reach as a depth of 1951 ft below sea level. The vehicle will be subjected to large forces due to the… I need help. A woman deposits $12,000 at the end of each year for 11 years in an account paying 5% interest compounded annually. (a) Find the final amount she will have on deposit. (b) Her brother-in-… This question needs python code or any code to solve the question.. 4. Implementing Gradient Descent. In this question you will implement gradient descent for an easy problem: convex quadratic functio… Sir i am stuck for this question. I want to calculate how many different combinations to reach 10.000 with "X" set orders. For Instance: Set 1: A,B,C Set 2: D,E, F Result : A-D/A-E/A-F/B-D/B… What nominal rate of interest compounded semiannually is equivalent to 12% compounded annually? Multiple Choice 12.12% 12.36% 11.66% 12% 11.92% Construct the truth table for the compound statement in no. 18 . Identify if the compound statement is a tautology, contradiction, or a contingency. 18. (pvq)∧(~(pv~q)]. In Exercises 13 to 28, const… Hi, I am not understanding this question please help. Convert from binary to hexadecimal: 110001010000 . 1111111 (= (16) Develop an expression for an electrical field with the presence of space charge distribution in the domain shown in the Figure (using the Green's function method). Note that U is the electrical po… What pattern can you see in our integers and counting numbers? [The pattern is the repeating ten numbers in the ones place value.] Please provide Handwritten answer. 6. Suppose that (an)no is a bounded sequence of real numbers. For each natural number n, define fn(x) = > Ok k k! k=0 Prove that for each r > 0, the sequence o… A carpenter had a piece of wood that is 12 feet in length. if he needs only eight and three-fifths feet of wood, how much wood should he cut? Find the difference by using horizontal and vertical lines… Introduction to discrete Math. Math125 Part 2 Review – Fall 2021 1 (7.3) 2 (7.3) 131 10 to Binary = -11 110 to Twos Complement = – 2 3 (7.4) +12.2510 to IEEE = 4 (7.4) 12.2510 to IEEE … The qualified applicant pool for three management trainee positions consists of eight women and six men. (a) How many different groups of applicants can be selected for the positions? 3 X (b) How many… Create a problem using the criteria below: Be able to be modelled using a hypergeometric distribution Deal with a deck of cards Be about the chances of success given specific conditions Uses the ind… 11 and 12 they are relations. 11. Let us consider the fuzzy sets 0 if, I<2 2-2 A(x) = if 2 < < <7 10-I if 7 < x < 10 0 if 10 < I Prove that Frank's t-norm and t-conorm 10. Prove t… For the dinner special at a restaurant, the customer must choose an appetizer, a salad, an entree, a side dish, and a dessert. Here are the items to choose from. ChoicePossible items Appetizer Shr… ng Equations and Inequalities ss with held questions: u are now viewing the questions you held earlier. Please submit an answer or pass. Match each equation on the left with its solution on the right.… Luis scored 35/50 in a long quiz. Their class has an average score of 25, and a population variance of 25. What is their class population standard deviation? I want full marks, thanks. Complete the following assignment and submit your work to the dropbox Journal entries are designed to help you reflect on the new ideas that have been introduced in the … Question 2: Consider the following optimization problem: min f(x). (2) where f(x) = E[|x — ZI]. At xk, we see 2"", independent ofx1,…, 25". 92a Describe the stochastic subgradient meth… calculated the following using Intermediate algorithm show all steps 457 + 567 Sir i am stuck for this question. Question no 2: When is the vector (X1, X2, X3, x4) in the plane spanned by u = (1,2,2, -1) and v = (-1,0,2,1). State your answer in term of equation involving x1, X2… Please provide Handwritten answer.. Let G be a finite group. Let x E G and let a" be the conjugacy class of a. Prove that |x"| < |[G, G]|, where [G, G] is the commutator subgroup of G. "Mags the Meter Maid" Mags has been working for the city for about 10 years driving her cart up and down the city streets searching out and ticketing parking offenders. She gets particularly irritated… Muddy CityGraph Theory Practical Fresh out of teaching school, I decided to take a job in western Alaska in the middle of nowhere. New Stuyahok is a village of about 500 people on the Nush… solve by Laplace method remember plz solve by Laplace method. * + x = cos (3+) x/0) = 1, x (0) =0 How much interest would be paid on a 30-year mortgage for $276,709 if the loan's annual rate is 1.9% and payments are made monthly? Round your answer to the nearest dollar. When determining the average WBGT Index the denominator in the equation is always equal to which one of these: a. 480 minutes b. 1/3 of a 24-hour day c. the number of calories produced bas… Directions: Perform the indicated operation, write your final answer: Given. If f(x) = 2x^2 and g(x) = 3x + 1, Find: (f+g)(x) (f•g)(x) f(x)/g(x) (g o f)(x) Draw the Cayley digraph (carefully indicating the different types of arrows) of the group Z 7 with respect to the generating set {2,5} Topic : real numbers , intuitive idea of set , notation , cardinality of infinite sets , uncountability , cardinality . Please go through the the attached reference to check the answer and question , … Find the present value annuity factor for a 13-year annuity whose annual rate is 6.5% with monthly compounding. Round your answer to the nearest thousandth place (3 digits after the decimal point). how many ways can a teacher give three different prizes to three of her 24 students. b)ii) the answer is 7.4. (b) Express 125-5x in the form of a (1+ bx)" and hence expand 25-5x as a series of ascending power of x, up to the term in x-. [5 marks] (i) State the range of x for whic… Please provide Handwritten answer. Advanced Math 11. Consider the quadratic function f (x) = −2 x 2 + 3x − 1. (a) Find the zeros of f(x), showing all working. (b) Find the turning point of the gra… MODELS FOR STRATEGIC DECISION MAKING. Question 2 Six factors are considered crucial in making a certain decision. The relative importance of these factors can be summarised in the following matrix of … (8 points) Let A C R be approximately closed. Prove that there exists a sequence (F,), of closed sets such that F,, C A for all n, A C A C . .. and that = 0. (44 points) Given the following diagram, answer the following questions: 8.6 cm 8.45 cm 740 a. Determine angle S using the sine law. (3 marks) b. Determine the length SP without using the sine law. (3 marks) I need help. Find the future value of the following annuity due. Assume that interest is compounded annually, there are n payments of R dollars, and the interest rate is i. R = 15,000; i = 0.03; n = 9… CHAPTER 9 – PAYROLL REGISTER Instructions In this assignment, you will be preparing a time record and payroll register for the employees of Pancakes Unlimited, Inc for the week ending December 12, 202… i need help with this.. (5 marks) Show and explain your work. Draw box(es) around your final answer(s). Use algebraic methods unless otherwise stated. Jasmine is making a kite from a 2:25 scale diagra… Josh has scores of 16 , 19 , and 23 on three quizzes . What score must he get on next quiz to have an average of at least 20? A is the circle where | z | = 1 and B is the circle where | z − 1 | = 1 . Now let C = e π i / 3 = 2 1 + i 3 be the intersection point in the upper half-plane; their other in… Thank you!. The sum of two numbers is 29. One number is 3 less than the other. What are the two numbers? Sir i am stuck for this question last 2 parts. Show that these series are convergent and calculate their sum. M n(n + 1) 1 00 2n + 1 M n2 (n + 1)2 1 2n + 3 M n(n + 1)(n + 2) 1 oo 2 n(n + 3) 1 2n + 1 -… How do I make a transition diagram to show the probabilities of someone who has never bought their vehicle, to purchase one now as well as someone who currently owns one of their vehicles to purchase … Sir, i am stuck on this question Need complete explanation with step. Exercise 1. Determine whether the following series converge. Justify your answers (state which test you are using or explain the… Find a function f : [0, 1) – R such that f is strictly increasing but the range of f (i.c., {f(x) : x E [0, 1]}) is not If (0), f(1)]. A growing plant has its mass and water uptake measured with the following results: Time [Days] 1 2 3 4 5 6 Mass(g] 6.3? 10.10 13.54- 1245 20.32 24.90 H20 Utake mL h 0.20 1.21 3.23 4.21 a) Plot the pla… We are currently using R programming. Copy-and-paste the following code directly into R and execute it. set.seed(2) x = rcauchy(1e3,location=1,scale=runif(1)) This will generate a vector X of samples … Please provide Handwritten answer. Advanced Math Among these statements, which are true and which are false There is a sequence with infinitely many positive terms that converges to a negative numb… If you pay the full asking price for the house you found above and make a 5% down payment: a. How much is the down payment? b. How much will you be financing? show algebraically that the property assigned to your group is true for this square and all squares Asap Please . (ii) Use a combinatorial argument to find the number of ways of sitting & people in a row of n chairs if there must be at least three empty chairs between any two people and one em… IMU Term 2 2021 Question 8 (d) 4 marks Using your knowledge of sequences and series, find the fractional equivalent of 42.36. [17 marks] Find the following integrals, showing all working. (a) Z 3x(x 2 + 2)4/3 dx (b) Z 5x 2 x 3 − 2 dx (c) Z 3 1 (t −2 + 2e −3t) dt (d) Z 9 0 e 2 √ x+1 √ x dx 2. [8 marks] Sketch th… Consider sample data with x – 16 and s = 4. (a) Compute the coefficient of variation. (b) Compute a 75% Chebyshev interval around the sample mean. Lower Limit Upper Limit please help me i am so stuck . Asystein of 3 equations in 4 unknowns {3:11 :2, 1-3 and :4) was expressed as an augmented matrix, and was reduced using elementary row operations to give the augmented … Sir i am stuck for this question. +5 If f (ac) = 3x – 5 then f -(a) = Use these two functions to find: 3 a. f(2) = b . f – 1 (2) = Preview c. f[f – ' (2)] = d. f 'If(2)] = Get Help: eBook Pack circles with a diameter of 28cm using a square and a hexagon. Hello, can you please help me with these questions? Thank you!!!. 1) For the following equation: P (x t a) 4 = 2+x 3y Rearrange for: (a) y (b) P (c) a. 2) x -12 x+16 Solve 3-x x+1. Suppose that a pl… Jarrod's Canada Student Loans totalled $9400 by the time he graduated from the Oil and Drilling program at the Northern Alberta Institute of Technology College in May. He arranged to capitalize the in… Suppose P>0 and Q>0 are (symmetric) positive definite n×n matrices. Prove that QPQare positive definite matrix. mathematics. assignment #2 Draw the graph of the following function 2 ") Find fogcal and gofix, where fix? = (x 2 +4 and gen)= (x2 + 1) 9 (in Find the left and Right Limits of the function at *… Choose one topic from the choices shown below. Ask someone how the payment/ investment has been made. Make research on some strategies on how to reduce or gain interest in the chosen topic. a. Insuran… please help. Use cylindrical shells to find the volume of the solid generated when the region enclosed by the given curves is revolved about the yy-axis. y=1x,x=2,X=3,y=0y=1x,X=2,x=3,y=0 Volume =E 18:… problem is there for you to answer. i Don't know what the problem is . 5) (15 points) Use a calculator to solve. (see Illustrations, # 5) utv + 2w + 3x + y+z=2 5u-v- 2w+ 6x+y-z=8 2u + 3v + 2w… Sir i am stuck for this question . 3. With (an)n21 and (bn)n21 being two strings of number so that a1 = 2, b1 = 1 and an+1 = 2an + 3bn, and bn+1 = an + 3bn, n 2 1. Find the general terms an and bn. 4… The following data are the Philippine monthly inflation and T-Bill rates (all maturities) for the last six months of year 2019: Find the equation of the best fit line INFLATION RATES (X) 3.9 4.0 3.… Please provide Handwritten answer. Problem 3.25 Note that 2 d2d/dy2 . do/dy = d(do/dy)2/dy, so multiply the equation by do /dy and integrate to find (do /dy) . Then, recall that we set o = 0 and do /d… (8 points) Let % be the o-algebra of subsets of R which are either countable or whose complements are countable. For each E e 6, define if E is countable; M(E) = if E is countable. Prove that # is… . 6. Assume the general constraints: x; > 0 for i in 1 1, x; real for i in Io, f, > 0 for jin Ji, f; = 0 for j in Jo- Assuming CQ and differentiability, use Theorem 1 to obtain necessary condi… Q5. Investigating the relationship between earnings and money spent on mobile phone: a. In the following table, report average monthly earnings and mobile bill of students by gender in your sample. [2… REAL ANALYSIS. Part 2 of 3 – Question 2 Question 2 of 3 4 Points For each positive integer k, let ak = (-1) * – 1(5+ 2) Complete the following. Write numbers in decimal form, to two decimal places (e.… Question 1. Linear regression with multivariate responses. Consider training data {(x(i),y(i))i:1mm where x") 6 Rd and y") e IRJ'. Consider a model y = Ax, where A E Ika'i is unknown. Estimat… Given the parabolic graphs of Profit we've been working on in class, match the following economic concepts (left side) with their graphing counterparts (right side.) y-intercept [Choose] [Choose] … SMG 2033 Computational Techniques in Mathematics ASSIGNMENT 1 Due date: Thursday Dec. 9, 2021 before 12:59pm 1. Write a function to calculate the following series s(n) = 1 + 1+2 1+2+3 + … + 1 + 2 + … Design a PDA to recognize the language L = {w#x | w^R is a substring of x for w, x ∈ {0, 1} }; L ⊆ {0, 1, #} help me with this question please. The results of a medical test show that of 51 people selected at random who were given the test, 36 tested negative and 15 tested positive. Determine the odds agains… Answer the following question.. 1. Use the Gaussian elimination to find the values of C1, C2, C3, 64 in the following matrix equation: 4.2857 x107 -9.2307 x103 0 0 -7.887 x 103 4.2857 x10' -5.4619*10'… movement of the progress bar may be uneven because questions can be worth more or less (including zero) depend What is the correct way to break 12 into parts and multiply each part by 6? 12 . 6 = 10 …. 1) a) The population, P, of a certain country grows at an annual rate of 2%. If the current population is 3 million, what will the population be in 10 years? Show calculations and answer in a … Please show solutions so I can better understand it Part 1 The function p (t) = 2 t + 5 8 0 t + 6 0 is used to represent the population of a small town, where P(t) is the population in tho… (Dividing Decimals) How many whole 2.25″ squares can be cut from a length of sheet metal measuring 36″ by 72"? Assume no loss of material due to cutting. A linear, real-valued system dx dt = x has the associated flow φt(y) = e t y, y ∈ R in continuous time. Describe the dynamical system associated to the time-one map, i.e., the map connecting each p… Point A has coordinates (9, 7) Point B has coordinates (13, −27) Find the equation of the line perpendicular to AB that passes through the midpoint of AB 1.What are the distinctions between the three ways to approach problem solving (teaching for problem solving, teaching about problem solving, and teaching through problem solving)? 2.What is meant by … 1.The payee of a promissory note is the: a) party making the promise to pay b) party to whom the promise to pay is made c) the bank at which payment is made d) the maker of the note 2.If a due d… Your school will be having SSG election. Your adviser announced that google form will be used which requires your Leaming Reference Number (LRN) since each of you has its own unique reference number. … The following graph shows the height of a child above the ground as they ride a Ferris wheel: Height (m) Time (s) a) Explain why the function is periodic. (1 mark) b) What is the period of this fu… Please could you explain how to start the problem off, like whats the process. Please can you provide detailed notes on approaching this problem that would be great. what is the scale factor. V 5 C 4 1/2 2 C 37 37 3 Show all 3 outside Grade 7 Question a) Answer the "Would you rather" Option A or Option B question below with all steps and b) The other question "What fraction of cupcakes could you share if Option A did not ha… introductory functional analysis with application by kreyszig reference book. Theorem : . n A Xi is a Banach space. Theorem :. AXi is a Banach space or not L= 1 That is A Xi is normad space if X1 X, X… business mathematics. Question 32 (2 points) To earn some money, John is thinking of starting up a "Back-Yard BBQ" stand at his university campus this summer. The basic "BBQ" equip… Answers and how. 1. Permintaan dua macam barang: Diketahui: Qd, = 100 – 2Px + Py Qay = 5+ 2Px – 3Py Qs = -10+ Px Q sy = -5+6Py Tentukan keseimbangan harga dan kuantitas masing-masing komoditas tersebu… rewrite the following statements. there is a real number whose product with every numbers leaves the number unchanged? Gajsvwwuwibweukwbwheiwowmenebakwhebdjdiebdydiwnwgeiyebebidskwb vwjwbwiwwmqiwhwbwhwyfvrvdkiwweiyejkqñgpqñwowoeiurufjxbzhsfwkrmtifksjququoepxl Question 2 a. Sketch two different graphs that have a domain of (x | x # -3, x E R], a range of (y | y # -8, y E R] and an x-intercept at x = 1. (3 marks) b. Design one rational equation that matches … F2 = 37 1b F1 = 23 1b Y= 35 70 3.9 in A 1.1 in 3.7 in The foot segment shown above is subjected to the pull (F1 and F2) of the two plantarflexor muscles.. Part Description What is the moment of F, abo… multivariate calculus. Semoga teman-teman selalu sehat dan senantiasa dimudahkan dalam segala aktivitasnya. Pada pertemuan minggu ini kita akan membahas mengenai Multivariate Calculus. Silahkan meresp… An issue of Taunton's Fine Woodworking included plans for a hall stand. The total height of the stand is 69126912 inches. If the base is 4731647316 inches, how tall is the upper portion of the stan… Prove that each of the following integers is composite (not prime). (a) 3 222 + 1 (b

of 1 D. + 0 1 I need help. Grade 8 Unit 03 PA 02 WHICH SAVINGS ACCOUNT? 1. Arianna opened a savings account that pays 5.325% interest compounded annually. She will deposit $2,502.13. Lillie opened a savings account… Question B. Person A deposits $2800 in an account that pays 8% interest compounded once a year. Person B deposits $2400 in an account that pays 9% interest compounded monthly. Complete parts (a) throu… the exponential equation P=27,000(1.067)5th power, models the population growth of a town after 5 years, what number represents the base in the exponential factor? Need help finding the following derivatives from: f (y) = (2 π) − 2 d (d e t Σ) − 2 1 e x p (− 2 1 (y − μ y) T Σ − 1 (y − μ y)) d μ y d f d… A three-member committee is selected randomly from a group consisting of three men and two women. Create a probability distribution showing the number of men on the committee (x) along with the prob… Say whether or not f (x) is defined for the given values of x. If it is defined, give its value.. , with domain [2. +oo) a. x =4 b. x = 1 Factor the polynomial completely. 3) 14×2 – 21x 5) c3 + 9c? + 18c 7) 3y5 – 4813 Multiple Choice – Show work! 9) What is the complete factorization of 2×7 – 3213? a) 2x (x + 2) (x – 2)(x7 + 4) b) 2x (… 8 9 = 10 11 12 Translate this phrase into an algebraic expression. 53 decreased by twice Jenny's age Use the variable / to represent Jenny's age. 0+0 0-0 If the radius of a circle is 4 cm. with an angle of 51, therefore the arc length would be a. 20 TT b. 12 17 C. 2 TI d. 6 17 7. What is the period of the sin functiony = 15 sin (of (x -)) + 25? a.… conversation. 215 ft Allen's Wrenches 45 it The diagram shows an aerial view of a store. What is the area of Allen's store to the nearest square meter? Q 2: (4 Points) The tableau below represents a minimum linear programming in a standard form. Find the min value and where it occurs. BVP y1 12 3 51 $2 $3 RHS 0 01 0 0 0 0 1 0 10 0 Review solving conversion word problems. A butcher shop processes two sides of beef into 385 pounds of meat over 3.7 hours. The butcher doing the work is paid $12.06/hour. At this rate, how much did i… En nuestro país(Perú), los fabricantes de ropa dividen sus ofertas en campañas durante todo el año: otoño,invierno,verano, invierno,etc ! Se podrían representar las mismas con algunas funciones ?… How would I answer these two questions please? . Question 7 (1 point) Construction and maintenance of internet infrastructure is related to the following human activity: (a) To nourish b) To reside… Find the eigenvalues and eigenvectors of the following inertial matrix: 450 60 100 [/] = 1-60 500 7 kg . m2 100 7 550] a) Write out the polynomial expression which must be solved to find the eigenv… 2 3 4 5 6 8 9 10 > Moving to the next question prevents changes to this answer. Question 2 Ahmed's mobile shop ordered a shipment of 10 smart watches. The list price of each smart watch was AED720 … Find the divergence of the vector field: f = (x 2 + y 2 + z 2) 2 3 (x , y , z) when (x , y , z) = (0 , 0 , 0) need help psl. Question 16 67 + 1 Let f be the one-to-one function given below. f(z) 4x – 4 (a) Find the inverse function of f (i.e., f (z).) f (x) = 1 + 4x 4x – 6 (b) Compute f (4). f -1(4) = 17 10 … is 25 and 30, respectively. Assume that the price of both types of fuel is Birr 1.50 per gallon. Required: a) Drive the equation for the cost of driving a gasoline powered car. b) Drive the equation f… Richard has just been given a 8-question multiple-choice quiz in his history class. Each question has five answers, of which only one is correct. Since Richard has not attended class recently, he does… help please. Question 8 (5 points) Identify the sample space of the probability experiment: recording a response to the survey question and the gender (F=female and M=male) of the respondent. American… For my combinatorics class, any help is really appreciated! . Exercise 3) Consider the following LP (P) max cc s.t. and its dual (D) min (1, 1, 1)y s.t. CI C2 y 2 0. Note that we haven't given a conc… guess and checks The cost of a basketball was $15.54, ineluding a 7.25% sales tax. How much of that cost was the price of the basketball, and how much was the tax? A survey asks respondents to select their favourite holiday from a list of seven options. This is an example of which type of survey question? Please help with this advanced math question. Problem 3 In this MATH336 assignment problem, suppose (NLP) min f(x) s.t. gi(x) <0, i =1, . ..,m is a convex NLP, and x() and x (2) are distinct optima… You are now viewing the questions you held earlier. Please submit an answer or pass. Newton's law of gravitation is F = mm, where F is the force between two objects, M and m are the masses of the two … The population of Japan in 1947 was 77.3 million people. The areas between the crude birth and death rate curves are given in the title of the figure below. Crude birth and death rates in Japan, 19… Can you help me to check if my lp solution and constraints are right? # of products 1 is P1 # of products 2 is P2 # of products 3 is P3 # of products 4 is P4 # of products 5 is P5 LP Solution: MAX (15… I have need to find the solution for Fick's law and radio active decay using the same template as above. this is a sample on what i should do. i need to walk on the same steps so I can later plug my n… Sketch the graph of hot) on the coordinate plane provided below. Identify the coordinates of the)-intercept, and state the domain of the function. [3 marks] 10 8 6 4 2 -10 -8 -6 -4 -2 2 4 6 8 10 -… The Situation It is time to negotiate a new contract with some of Lightning Wholesale's unionized employees. The company believes in dealing fairly with its employees. Based on the current economic e… Asap Please . (ii) (a) Use the deletion-contraction algorithm to find the chromatic polynomial of the following graph G. (b) Use this polynomial to find the chromatic number of G, x(G), and give an … its a question on the chapter discrete function. Determine the sum of (6a- 36) + (40- 26) + (30 – b) + . .. +(5a+ 76) please help me. Rajah 13 Diagram 13 Tandakan ( ) pada pernyataan yang betul dan (X) pada pernyataan yang tidak betul berdasarkan Rajah 13. Tick ( ) for the correct statement and (X) for the incorrec… INTRODUCTION TO ABSTRACT ALGEBRA . (4) The goal of this exercise is to give a different proof that A5 is simple, using Sylow's theorems. Note that |A5|= 60 = 22-3 – 5.. (a) Show that 713 = 10 an… Just solve it with steps no need for explanation.. 4 (10000 – 12) 4. [5 marks] The cost, in billions of dollars, of cleaning up x% of an oil spill is C(x) = x2 – 250x + 15000 (E.g. C(50) is the cost o… Find the present value of the given investment. An investment earns 2% per year and is worth $10,000 after 5 years. 2. At auction on August 18, 2005, 3-month T-bills were sold at a di… (b) A diet problem can be formulated mathematically as follows: Min Z = 4X1 + 3X2 Subject to the constraints 200x, + 100×2 2 4000 40x, + 40×2 2 1400 *, + 2×2 250 x1 2 0, x2 20 Solve the above diet pro… What principal will earn $24.87 interest at 4.75% in 156 days? 2. What is the maturity value of a five-year term deposit of $5,000 at 3.5% compounded semi-annually? 3. Jane was due to make loan pay… mathematics economic ands business. Q4. See question 4. The supply function in question 4 is changed to P = 40 + 4Q. (a) Recalculate the equilibrium price and quantity. (b) Plot suitable graphs to com… Exercise. Let M1 = (Q1, E, 1, $1, F1) be a nondeterministic finite state automaton. Define the nondeterministic finite state automaton M = (Q, E, A, s, F) as follows: Q = Q1 U{s} A = Aj U 2 U {(f,… QUAOOO2 215 C.Murphy Fall 2021 Khalil Elkarib & | 11/12/21 2:35 PM Question 1 of 1 This quiz: 1 point(s) possible This question: 1 point(s) possible Submit quiz A local convenience store sells a l… please help. 5 INSTRUCTIONS: . It must be your own work. Similarities between pupil's work will be penalised. . Strictly keep to the instructions. SECTION B On the given set of axes – design your own … If 12 books occupy 1 foot of shelf room, about how many shelves 4 feet long will it require to to hold 288 books? X sc l only please!. 5. Use a "standard" window to graph your equation. Press [ZOOM] [6] to create a standard window. What are the specifications of a standard window? Press [WINDOW] to fill… Factor Trinomials (a=1) Dec 01, 8:07:46 AM Watch help video Factor. x2 + 7x – 8 Answer: Submit Answer Please provide Handwritten answer. Exercise 1: Find the steady state temperature u(r, 0) on the annular plate 1 < r < 2 subject to 1(1, 0) = 02(21 – 0)2, 2 u(2, 0) = sin(0). 1/ + .T. Hello can you help me with these questions? . 1. Three different coins are flipped. a) Draw a tree diagram to show the possible outcomes. b) How many possible outcomes are… OMGT2287 Supply Chain Modelling and Design Assessment1:Case Study Counting project: Create the fairy tale (cinderella, snow white, alice in wonderland,… or every story u can think) using 5 of the following concepts, principle: o Tree diagram o Fundamental coun… Please find the error(s) in the proof and provide an explanation in a short paragraph why the reasoning is incorrect.. Find the error(s) in the following "Proof", and, as usual, provide an e… Koordinator ujian nasional mengklaim bahwa siswa-siswa pada 5 tahun yang lalu memiliki standar deviasi 1. Jika di tes sebanya 9 siswa, tentukan peluang bahwa standar deviasi sample kurang dari 0.95? D… The Wood Products Company uses three machines to produce two products. The following technology table gives the hours on each machine required to produce one unit of each product, and the total time a… . 2. [-/0.68 Points] DETAILS LARMPMT1 8.2.0 Find each difference. (a) 0 – (-2) (b) 0 – (-7) (d) -1 – (-7) – 18 (e) -16 – (-2) – (-11) (f) 6 -13 – (-4) Need Help? Read It. Description 1. [-/0.68 Poi… An investment company sells three types of mutual funds, namely Standard, Deluxe and Gold. Each type of mutual fund consists of A, B and C shares. Standard mutual funds consist of 10 A shares, 15 B sh… need help on both of these questions. Solve the problem. An element decays at the rate of S(t) = s e -0.0451, where t is time in years and S is the initial size in grams. If you have a 82-gram piece o… Solve the initial value problem. 2 2x Tye 7xy _ _ dx + 7xe 7XY + 2 dy = 0, y(2) =3 The solution is (Type an equation using x and y as the variables. Type an implicit solution.) A baking shop estimates that the annual profit of the company, in millions of dollars, is given by p(x) 2ln(4x+1) + 4x-x^2 -0.3 where x is the number of IT consultants (in hundreds) in its employ. Fin… (10 pts) Let f (n) = 13 + 23 + 33 + … + 3 . Use the big-O definition to show that f(n) is O(n*). Be sure to specify the values of the witnesses, C and k. Please explain all the steps I need handwritten.. clear..and scanned images..no cutting in solution please. a) Using composite trapezium rule, determine the number of steps (n) and step size (h) requi… Give correct answer with detailed explanation..... Problem 2. (20 points) Determine if each of the following statements is true or false (assume that R and S have the same set of attributes). If a sta… thank you expert engineers. On Z define the relation R by aRib if and only if atb 3 – Z Give 3 elements of this relation. Is R an equivalence relation? Explain. See attached and provide full explanation. 4. What A Rush! Coffee Shop uses 5 pounds of a specialty tea weekly; each pound costs $24. Carrying costs are $2 per pound per week because space is very sca… [-/2 Points] DETAILS BBUNDERSTAT In his book Chances: Risk and Odds in Everyday Life, James Burke states that there is a 72% chance a polygraph test (lie detector test) will catch a person who is, in … A savings account offers the following tiered interest rate structure: Balance Rate $0-500 0% $500 – 3000 1.6% on entire balance $3000 – 2.1% on this portion only In the month of September, the open… Need help with step by step solution. CCP Math 121 5. (10 pts) Evaluate (write the answer in hexadecimal system) (a) D7AE16 + FCB9 16 (b) FB.AE+ C.5D16 6. (7 pts) Decode each numeric, expressed in t… Determine the difference in clock 6 arithmetic, using the figure on the right. (5-4)-6 5 2 (5-4)-6= (Type a whole number.) Please help with the following. Question 13 6 pts Complete the induction. Give the steps to go from the hypothesis to the goal. Last, state the conclusion. Edit View Insert Format Tools Table 12pt >… Sir i am stuck for this question with explanation . 7:51 A Name: Pantaleon, Maylene E. Date: October 10, 2021 ogram: BS ES 1EMT1 Score Activity 2.1 Mathematics as a Language I. Consider the following symbols. Choose a symbol and place it on the bla… I don't know where these things would go. Identify the terms, coefficients, and constants in the expression. g + 12 + 9g Term(S): Coefficient(S): Constant(S): : 9g :: 9 : g :: 12 #: g,12,9g :: 1,9 :: … A curve of radius 74 mm is banked for a design speed of 80 km/hkm/h . On Monday an electric bass craftsperson attaches frets to four necks and cuts three frames. Doing all of this takes a total of 7 hours. On Tuesday this same craftsperson spends a total of 8 hours … Calculate the amount of interest that will be charged on $7000.00 borrowed for five months at 5.5%. 2. Calculate the amount of interest that will be charged on $9000.00 borrowed for four months at … Question 1 (Unit B1) – 23 marks For each of the following sets, with the binary operation given, determine by checking the group axioms whether or not it is a group. (a) ({5, 10, 20, 25, 35, 40}, X45)… RM500 is invested every month for 20 months in an account that pays 5% compounded annually. After 20 months, no more deposits are made. Find the amount in the account at the end of the four years. (fi… Business Math – Give the Correct Answer and Show Complete Solution. (See Comments also. Thank you) Find the present value and the amount of the annuity due of P4,350 payable at the beginning of each m… Problem 2 (8 Points) Find a general solution of y" – 3y' – 10y = e-t cos 3t. I Describe how to use bundled things to explain regrouping in the addition problem 167 + 59. Make base-ten math drawings to aid your explanation. How many non-zeros should one require on a solution for it to be the unique minimizer of (P,) if the matrix A has columns drawn iid from a Gaussian? () The mass of a planet is 6.4 x 10^24 kilograms. Its volume is 1.4 x 10^12 cubic kilometers. Find the density of the planet (mass/volume) in units of grams per cubic centimeter I was having problems solving significant figures in metric system-related questions. Can you please help me with this question, and if you can, please give me a little info on how to solve these ques… FarmProd produces two types of cattle feed, both consisting totally of wheat and barley. Feed 1 must contain at least 80% wheat, and feed 2 must contain at least 60% barley. Feed 1 sells for £1.5 per… Suppose that 11 years ago, you purchased shares in a certain corporation's stock. Between then and now, there was a 3:1 split and a 5:1 split. If shares today are 78% cheaper than they were 11 years a… In this question, the universal set, U, is the set of positive integers less than 20, and every set in this question is a subset of U. • Let E be the set of even numbers (in U). • Let F be the s… Tell whether each sum is negative or positive, Explain your reasoning.. Tell whether each (a) -2+10 O The sum is positive because |-2| < |101. O The sum is positive because |-2| > |101. O The su… Problem 5.6 It is feasible to have different frameworks of straight conditions that all include similar arrangement of factors, which is known as a grid. Coming up next is an illustration of a convent… Make the following conversion in the U.S. system by multiplying by the appropriate conversion factor. Write your answer as a whole number or mixed number. 57 in. to yards vd Preview Which term of the arithmetic sequence 5, 9, 13, 17,… is 401? a. 99th term b. 100th term c. 111th term answer sheet. d. 102th term d. 112th term If C$1 = £0.6215 and £1 = US$1.2683, how many Canadian dollars would you receive for US$5,000? Sir i am stuck for this question . 5) [14 Points Total] Sketch the solutions of the differential equation y =y – dy satisfying y(0) = -3, -0.5, 0.3, 1.8, and 3. The graph of z = y" – 4y is below… (a). [10pt] Does f(x) = x 1/3 − x defined on [−1, 1] satisfy the hypotheses of the Rolle's Theorem? If so, find a constant c ∈ (−1, 1) satisfying the conclusion of Rolle's Theorem. If not, … Introduction In this lab activity, we will explore the small angle equation. You will typically see this equation written 3. True or False: The small angle equation only works if you use metric units?… QUESTION 3 . 1 POINT There are 221 Starbucks in Indiana and the state has a population of 6.663 million. Write the Starbucks per 100,000 people in Indiana. Provide your answer below: Content attributi… Need help with step by step solution. Math 121 6. (15 pts) Given A =110011 B = 111011 C = 101010 Find (a) A+B+C (b) AB +C (c) C(A + B) Sir i am stuck for this question . QUESTION 1 Presently the Smiths invest $100,000 for A months in a certificate paying interest at the nominal rate of 6% compounded monthly. How much will they have … The following list contains the number of hours that a sample of 12 middle-school students spent watching television last week. 7 , 6 , 15 , 7 , 14 , 10 , 5 , 7 , 18 , 16 , 11 , 19 Send … Una pareja está planeando financiar la educación universitaria de su hijo de tres años de edad. Lapareja puede depositar dinero al 6% compuesto trimestral. ¿Qué depósito trimestral deben hacer a… need help with 11.39. 11.39. Show that the differential equations of the geodesics on a Monge patch x = we; + vez + f(u, v)e3 are (1 + p2 + q2) u + pru2 + 2pour + ptil = 0 (1 + p2 + q2) 8 + gru2 + 2qu… In which order should the matrix and where is , is , and is , all with integer entries by multiplied to use the least number of multiplications of integers. … Consider POS tagging of the input sequence "fish can ", and the following weights for emission features (table on the left) and the transition features (table on the right): Using the weights in Table… Evaluate each of the following expressions exactly using specialty triangles. (No decimals. 2, 3 marks) 5 tan a) sin COS b) A COS Consider the vector field E defined by E := r |r| p , for r 6= 0 where p is a positive real number. a. Find a formula for ∇ · E. b. Is there a value of p for which E is divergence free? If so, find… An investor with $50,000 is weighing options between a 360-day CD or two back-to-back 180-day CDs. The 360-day CD has a posted simple interest rate of 1.25%. The 180-day CD has a posted simple interes… Provide a real life examples and solve one word problem involving each types of variation. 1 Word Problem about joint 1 1 Word Problem about combined ps: please provide a REAL LIFE EXAMPLES How many unique arrangements are possible for the words: MATHEMAGIC with the G and the C together Notes for Study. Venn Diagram. Venn Diagram Worksheet Create a Venn Diagram and answer the questions for the following situations. Show all answers as fractions and percentages. Round to one decimal p… 5 An empty swimming pool can fill up in 6 hours if the drain is closed. When full, it can drain in 8 hours if the faucet is on. If the faucet is on and the drain is open, how long will it take th… Question 4 The state space of the model X' = X3 + 2X2 – 5X – 6 is the set of all real numbers, R. There will be no interventions. Which one of the following statements is true? O Determinism is not tr… QUESTION 1 [20 marks] A macro market basket price can be indexed by including several food items together. Consider the basic food items in the following table, with their price and per capita annual … Hello can anyone help me solve the following fouriers series. Find the Fourier Cosine Series of /(x)=1+2x, 0<x<* Consider the function recursively defined by: Please explain this thoroughly, thanks. f(1) = 1; f (k + 1) = V1+f(k) when k > 1. Given that f(2) = v2 is irrational, prove, using induction, that f(… Need Help? Read It 6. [-/1 Points] DETAILS HARMATHAP12 1.5.023. Use a graphing calculator or Excel to find the solution of the system of equations. (If the system y = 16 2 7X 5 (x. V) = Need Help? Rea… For a random sample of 36 data pairs, the sample mean of the differences was 0.75. The sample standard deviation of the differences was 2. At the 5% level of sign… Calculate the per capita value for each situation to two decimal places. a)Number of new cars sold in Ontario in 2017: 312 000. Number of Ontario drivers: 1 200 000. [1 Mark] b) Gross federal gover… A graphic centered on a coordinate (9, -4) is manipulated to move on the x-axis and y-axis. The x-axis is horizontal and represented as the first digit in the ordered pair. The y-axis is vertical and … Abdullah owns a commercial project and does not keep commercial books. It was found that his sales through points of sale amounted to 450,000 riyals, while the average worker in the project reached 45… I have been stuck on this on for a long time can you help please. Kira Is selling raffle tickets. For every 4 tickets, she charges $28. Complete the table below showing the number of tickets and the a… Please explain how to solve this problem. ki 1. The reversible reaction A B has the following rate equation: k2 dA dt k2B::kiA (1) where A =A(t) and B = B(t) are, respectively, the molar concentration… Please ASAP . 6. (i) Stillring University is offering a series of eight workshops to ten local schools; each school is invited to take part in at most three workshops. The workshops will take place … matrices. 14. A study conducted by the Urban Energy Commission in a large metropolitan area indicates the probabilities that homeowners within the area will use certain heating fuels or solar energy d… Question 4 Factor completely: 9 -z 2 =. Question 1 Factor completely: 22 – 64 -. Question 3 Factor completely: 4zz – 25 =. Question 2 Factor completely: 72 – 16 =. Question 7 > Factor completely; s… Use the properties of multiplication and opposites to find the product. BUSINESS Suppose that there are two goods (X and Y). The representative consumer's preferences over these two goods are given by the utility function U = √X Y, and income is given by I. a. Let the p… Let X", .93", and {9",}: be as in the previous problem. Prove the following: (a) If kl e X" with k ¢ 3, then 9%,): 0 gm : 0. (b) 93,, = U 9%. 1:20 (C) n lynl Z]; ¦3ka| – (d) Prove… 1 point) A random sample of 100 observations is selected from a binomial population with unknown probability of success p. The computed value of p is 0.75. 1) Test Ho : p = 0.5 against Ha : p > 0.5… Write the mathematical model and use Solver sensitivity analysis to answer the following question: A farm co-op has 6,001 acres available to plant with corn and soybeans. Each acre of corn requires… . W AutoSave (O of) 208MAE – TCA Dec 21 (Black Font Version)) – Protected View – Saved to this PC Search (Alt+Q) Avopeac nouxas X File Home Insert Draw Design Layout References Mailings Review V… If my Leg is .9 m long (i.e., greater trochanter to the ground), how far from the DISTAL end is my COM? The operator 7 : F% is represented by the following matrix: A = a. Determine the eigenvalues and eigenvectors. b. Is A diagonalizable? Cite a theorem to support your assertion. c. Calculate P-AP, w… college mathematics. Convert 610F to degrees Celsius. If necessary, round your answer to the nearest tenth of a degree. Here are the formulas. C= (F – 32) F= C+32 61 OF – [.C X Continun Question 14 (1 point) The ratio 17 : 3.5 : 2.5 expressed in its lowest terms is O 17 : 3.5 : 25 170 : 3.5 : 2.5 O 17: 35 : 25 34: 7:5 O 170 : 3.5 : 25 Please calculate the muscle forces of biceps (FB), triceps (FT) and reactive forces at elbow (RE) in the below image. Assume the weight of the dumb bell (WL) is 40 N, the weight of forearm and hand… Pls help!. +18 Graph the following parabola by first finding the vertex and the y-intercept. y = – 3x – 4x – 4 What is the vertex? (Type an ordered pair. Use integers or fractions for any numbers in t… The marginal cost function for a particular item produced by the Acme Roadrunner Roundup Corporation is given as C'(x) = 0.14x -2.6x +120, where x = number of units produced. a. Use a Riemann Sum w… Question 1410 Points A slot machine has 3 dials. Each dial has 40 positions, two of which are "Jackpot." To win the jackpot, all three dials must be in the "Jackpot" position. Assuming each play spins… Immanuel deposits 15,000 in a bank that pays 3% compound annually. How much money will he have after 11 years without widrawal Slanting Surfaces With Friction: The figure shows a block of mass m resting on a 20° slope. The block has coefficients of friction μ s = 0.64 and μ k = 0.54 with the surface of the slope. It is con… 12 A V Question 1 (20%) Consider two assets with prices, respectively, S1,t and S2,t. A call-on-max option with strike K and maturity T is an option with payoff (max { S1,T, S2,T } – K)+. A call-on-mi… In my experience, many students feel nervous or uncomfortable when working with fractions and do not really think about how frequently they are used in everyday life. For this posting, I am interest… The length of a curve 2 (2x + 2) Find the length of the curve y from a = 0 to x – 2. 3 Length = <Previous Next > Calculator standard function logic vector abc A museum claims that one of its skeletons is 9,000 years old. An analysis reveals that the skeleton contains 40% of the expected amount of carbon-14 found in living organisms. Is the museum's claim ju… determine the locations for which the following differential equations are hyperbolic, elliptic and parabolic:. 3. Determine the locations in (x, t) for which the following PDEs are hyperbolic, ellipt… determine equations for the coordinate surfaces of prolate spherical coordinates and calculate scale factors. 3. Prolate spheroidal coordinates are described by (u, v,), with A 2 0, 0 < v < <… ~ 1 hour 19/25 QUESTION 22 . 1 POINT Benson is deciding between two pools, a rectangular pool that is 20 feet by 10 feet and 50 inches deep or a cylindrical pool that has a 3 meter radius and is 1 met… Let X be a set with an equivalence relation ~. Define F : X -> of(X) via F (x) – [x]. Let Q = F (X) be the image and note that F : X – Q C P(X). (a) Prove that F is surjective function. (b) Pro… My mean from 11 numbers is 5.37 and my standard deviation is 1.44. How do I figure out my datum so I can find my Z-score? (2 When factoring a trinomial ax + bx + c, you consider the product ac. How does this relate to the rational zero theorem? Please explain solution. . Test the Hessian matrix tn determine the nature [If the critical paint (1, 1} [If flat, 3;] = Era—hy+y2—EI+1: [a] a saddle point (WLS Estimator) Under the assumption that a firm needs to provide its employers with retirement benefits, either in the form of pension and/or 401K plan. We believe that a firm's intention to care for… A box containing a new stereo system has a mass of 38 kg. A student pushes the box along the floor with a horizontal force of 58 N [E], and there is a force of friction of 32 N [W] acting on the box. … Can someone explain this. Calculate the sample standard deviation of the data shown. Round to two decimal places. X 20 11 22 10 15 14 sample standard deviation = Please provide Handwritten answer. Advanced Math Q1: Solve this equations by Bessel function? which of the following inequalities matches the graph? A. x≤-1 B. x≥-1 C. y≤-1 D. y≥-1 I can not post a picture of the graph because I do not know how to do that. The y axis is labeled 10 , 8,… Alden works in the city and lives in the suburbs with Nikka. Every afternoon, Alden gets on a train that arrives at the suburban station at five in the afternoon. Nikka leaves the house before five an… A circle of fourths is generated by starting at any note and stepping upward by intervals of a fourth (five half-steps). By what factor is the frequency of a tone increased if it is raised by a … Draw the following functions on desmos.com : x,x 2 ,2 x ,ln(x),x x ,x! . Sort them by how fast they are growing (make sure you zoom out enough). answer this. C Dogs have an average of 1.5 x 10" hairs on each square inch of skin. If the back of a dog is 24 square inches, approximately how many are on the dog's Complete the table. A. Principal Rate Time Interest Maturity Value ₱60,000 4% 3.5 years 2.2% 5 years ₱345 ₱125,000 2% ₱135,000 B. Present Value Nominal rate (i(m)) Interest compounded Interest… clc;clear all;close all; bcdialog = [' Lower x boundary condition:' ' Upper x boundary condition:' ' Lower y boundary condition:' ' Upper y boundary condition:']; bc = zeros(4,3); % zer… Use a LINQ query or a Lambda expression to sort your list of strings 2. Once your list is sorted display how long it took to sort the list of words. (You should note that it will be sig… Please refer to the attached image. Solve the rational equation N t (1 2:71 i 3+3 ot ye answere —:r:+2 — —3_4 Marked out of 200 Select one: '7 Flag question 0 a. none of the above 0 b. 1/3 O 0… mathematics economic and business. 3. Given the national income model Y = E; E = C + I; where C = 280 + 0.6Ya, Io = 80, T = 0.2Y (that is, t = 0.2): (a) Write down the value of the intercept and slope… STATISTICS Answer the given problem. Analyze what tool should be used. 1. Trees that grow in flood plains are susceptible to overturning. This is typically due to floodwaters exposing the thre… RAIN COM PANIC HIGH OLEIC SUNFLOWER OR CANE SUGAR, ORGANIC LONG GRAIN Bil mometrix.com + ons Bu.. to Maintain A Little Obse..dy Coach 411 80 Day Obses..gram Details fitness quote..oogle Search Healthy… can you answer this. The Distributive Property 4(x + 2) -3(w + 5) 4x+8 5 (y – 6) -2(9 – 5) What is the maturity value of a $14,000 GIC invested at 5.65% compounded quarterly for 7 years? In bicycle races for the Summer Olympics, racers travel around an oval track and complete a total distance of 34.3 km in 24 total laps.(a) The gold medalist completed a lap in 53.23 seconds. What wa… Prove that if P is a polynomial of degree at most n and x0, . . . , xn are distinct nodes Xn j=0 lj (x)P(xj) = P(x), (7) where the lj (x) are the elementary Lagrange polynomials associated with the… which term of the arithmetic sequence 5,9,13,17, … is 409? can I know this answer. 17. Cik Ammy bought unit trusts worth RM10 000. After two years, Cik Ammy sold all the unit trusts. She received RM10 600. During two years of holding the unit trusts, she rece… given for q4. Product Area Load Rate X 6400 400 Y 8800 400 2400 600 MC 10. 10. Which function can be represented by the following graph? 8 aly=0.1x (x-3) 6 buy=0.1x(x-3) c) y= 0.1x(x-3) d) y=0.1x (x-3) -4- 2 2 Help needed understanding. Plot Inequality a. yr+2 b. 2y + x <1 – v d. y + 2x >1 3 -2 e. y+ 2x < 1 f. czy -2 9.721-2 – v -2 2 – v 13 -2 -3 Question 3 (20 Points) Given the firetrorder system The performance measure Try to find the optimal control 15*(t) and the optimal performance criterion J*. Sir i am stuck for this question with complete explanation . Consider the vector field f(x, y) = 19e a. Find a direction in which the directional derivative of f (x, y), at the point (x, y) = (0, 8)… please answer this question. 3. Rini memperkirakan 10 tahun lagi tingkat bunga akan sebesar J12 – 6% p.a. Untuk keperluan biaya hidup bulanan keluarganya pada saat itu sekitar Rp. 5.000.000, ia akan m… Please convert the following matlab code to python code. clearvars; close all; clc; load('irf') irf = IRF; % get block Toeplitz matrix h = IRF; N1 = round(size(h,3)/2)-1; M1 = size(h,2); for oo=1:N… show the steps. EVALUATION: Use separate sheet of paper. Show your solution. I. Reduce each of the following equations of hyperbolas in standard form. 1. 4xz – yz + 2y -5=0 2 36×2 – Bly' + 24x + 328 =… (10 points) A "magician" asks you to choose any four numbers from the following list, without saying what they are: 1, 3, 4, 6, 7,9. The magician then predicts that two of the four number… a bicycle that usually sells for 230 is on sale for 25% off. what is the sales price? Initial value problem. 6. Solve the initial value problem y' try = xy3, y(0) = ; please solve. Material Balance: Material balance with and without chemical reactions; Material balance involving multiple subsystems; recycle, bypass and purge. Concept of limiting and excess reactant… X Gradebook C ezto.mheducation.com/ext/map/index.html?_con=con&texter Wk 6 – Practice: Wk 6 Exercises [due Day 5) @ 8 Number of Certified Organic Farms in the United States, 2061-2068 Year Farms 2… How do we go about this?. 10. Explain why or why not Determine whether the following statements are true and give an explanation or counterexample (a) The Fourier series representing any odd periodic … Please provide Handwritten answer of both parts. Use Green's function method to solve the differential equation: d' y(x)_4y(x) =f(x) dx2 subject to y' (0) = y(too) =0. Find y(x) if f (x) =x. Write … min (x1 – 3)2 + (22 – 5)2 subject to xit x3 < 10 (1) – 2 1 + 2 25. Q1.a Describe the tangent cones of the feasible set at the point (-3, 1) and at the point (-2, 2). Q1.b Use the necessary conditio… Please help with A) and D). Diane has taken 9 math quizzes this year. Her quiz scores are shown below. 98, 94, 86, 88, 89, 100, 82, 91, 100 a) Create a stem-and-leaf plot that represents Diane's math … Problem 1 A kind of British tea is manufactured with an impurity probability density function of x, O Ex-1 f (x) = 1 2 – x, 1 < x52 0, othersise (a) Sketch the PDF. (b) Determine the mean. (c) Det… It is the resulting y- values we get after substituting all the possible x-values MAI-105 fundamentals of Mathematics On 1 Quiz E 3 of 3 Use the shape to answer the questions. Use 3.14 for π M 20 ft 32 ft The number of goals scored in a series of football matches was as follows: No. of Goals : 1 2 3 No. of Matches: 8 8 x a) If the mean number of goals is 2.04, find x ? b)If the modal value number of go… the option is : Shade (fill in) region 1. Shade (fill in) region 2. Shade (fill in) region 3. Shade (fill in) region 4. Shade (fill in) region 5. H 5 6 7 C R N 3 4 U On a piece of scrap paper, constr… I need help. Find the future value of the annuity due. Assume that interest is compounded annually. R = 14,000; i = 0.07; n =7 . . .. Which of the following formulas will calculate the future value o… please include detailed explanation thank you!. 1. Suppose you have a quadrature Qh f] to approximate the definite integral I[f] = / f(x)dac (1) a and you know that for sufficiently small h the error … Sir, i am stuck on this question My manufacturer needs calculations for D and E. Is this something that Can be possible ? with explanation . B. HD CY. 5 6 7 complete the following (round the "total amount" and "total interest" to the nearest cent." : Principal: $1,390, Time (years): 1, Rate of compound interest: 10%, Compounded: quarterly, Periods: ??, Ra… Need help with step by step solution. 3. (10 pts) Convert to binary form. (a) E8F5.D716 (b) 653.65 4. (10 pts) Convert. (a) 11110110110110011, to hexadecimal form (b) 1110110.10110011, to octal fo… Discrete Mathematics MA161- Usp. (a) solve the recurence relation . (b) (i), Show that 7 is an inverse of 13 modulo 45. (in) solve the linear congruence 13 + 17(mod 45) Note: You can state and use, without proof or computation, any result proved in class (such has the solutions of known eigenvalue problems). Problem 1. [25] Use the method of eigenfunctions expansion … 2 14 Q V # V 1 An extatic problem (45 points) Consider the differential equation at = 2 cos(xt) – 1 (1) a. (15 points) Sketch the slope field for this differential equation. Give some explanation for … polynomial function. A (5 A 409 DEGREE FUNCTION, P(X)HAS ONLY ONE X-INTERCEPT OF 5) AND A FACTOR OF *+ 2X+ 3. THE GRAPH 6 OF P (X) PASSES THROUGH (– 1, 100), FIND THIS FUNCTION From the number theory, it will be really nice to me not use cursive when you answered thank you so much!!. Problem 1. Give an alternative proof for Gauss;s Theorem by using that @ is multiplicative. … Use a direct proof to show that the product of two rational numbers is rational. 2. Use a direct proof to show that the product of two odd numbers is odd. 3. Prove that if n is an integer and 3n + … Maths 7. Question 7 [8 points] A television stand had a markup on cost percentage of 35%. The cost of the stand was $130. During a clearance event, the price was reduced to $146 For full marks your an… Sir i am stuck for this question with neat explanation. You have been asked to the following set of equations that have been obtained from the structural engineering Department and verify your calcula… ou are hired by a Hungarian distributor of consumer goods, Dicge, to improve their forecasting capabilities. You are tasked with coming up with quarterly forecasts for item LJZ75 that appears to have … Combine like terms. 27. 5x + 14y – 3z – x + 2y 28. (-7+4)m – (15-2)m + -2m Provide Citation. You have been assigned as a Data Scientist for the XYZ company. Suppose you are using a Logistic Regression model on a huge dataset. One of the problems you are going to face on such… (a) Find P(I(i, j). Geometric pairs. Consider a probability space consisting of the sample space 0 = {1, 2,3,…}' = [(i, j) : ije N) , i.e., all pairs of positive integers, the set of events 2",… Lagrange's theorem, in group theory, a part of mathematics, states that for any finite group G, the order of every subgroup of G divides the order of G. What are some of the applications of this theor… Given the following demand functions, express TR as a function of Q and hence sketch the graphs of TR against Q. (a) P = 4 (b) P = 7/Q (c) P = 10 − 4Q 2. Given the following total revenue f… From the graph below, write the shaded region in inequality notation: 4 6 -5 -4 -3 -2 -1 4 5 -3 2d please? Thank you!. Graph an Equation on Paper and the Calculator 2. Look at the graph paper below. a) What is the smallest "x" value that you could plot? b) What is the largest "x&q… Question 4: Consider the following optimization problem: min x1 – 2×4 subject to X1 + X3 – X4 = 2 (1) X2 – X3 +2×4 = 1 x 2 0. Q4.a Identify all feasible basic solutions of optimization problem (1). Q4… find the angle alpha for which the shear strain is Ey'z' = 0. This is the information provided. > Next question Get a similar question You can retry this question below An aunt wants to make a gift of $90,000.00 to their niece's for her college education on her 21st birthday. How much would h… Quiz Results Question 1: What is a dowry? Your Answer: Money or property that a woman's family sets aside to go to her future husband upon marriage. Watch correct answer Read answer explanation v V co… Cite two more-real life situations when the discriminant of a quadratic equation is being applied or illustrated. need a graph. Sketch the graph of the parabola by using the vertex, the y-intercept, and the x-intercepts. Check the graph using a calculator. y= – 3×2+6x- 2 This project will cover and reinforce topics from chapters ten (and all prior chapters). The project will be broken down into directives (which will outline what is required and how you will obtain po… I need help. Find the future value of the following annuity due. Assume that interest is compounded annually, there are n payments of R dollars, and the interest rate is i. R = 600; i= 0.03; n =9 The … Zachary added 3.4 + 2.7 and got the answer 5.11. How might Zachary have gotten this incor- rect answer? Explain to Zachary why his answer is not correct and why a correct method for add- ing 3.4 + … Find the points on the given surface at which the tangent plane is parallel to the indicated plane. x2 + y2 + z2 = 13; 2x + 8y+ 6z = 1 (x, y, Z) = (smaller x-value) (x, y, Z) = (larger x-value) eBoo… Problem #1 (29 Marks) The following data sets are measurements made of the thickness (mm) of shells of

December 2003. Use a TI-84 calculator to answer... A $28,250 loan at 9% compounded quarterly is repaid by monthly payments over five years. a. What is the amount of the final payment? b. Calculate the principal and interest portions of ... hi there can you help me with the following question with 3 parts. many thanks in advance! . 3. Naive Bayes for spam filtering. (40 points) In this problem, we will use the Naive... If a 25 m support wire is attached to the top of a pole and also to the ground 7 m out from the bottom of the pole. How tall is the pole? (Show diagrams.) (Pythagoras) Advance Operations Management. QUESTION # 3 - MAINTENANCE AND RELIABILITY 20 MARKS a) Ten high-intensity bulbs are tested for 100 hours each. One failed at 50 hours; another failed at 70 hours and all... Total mass of an object is 200 gram. What will be: i. Weight on Earth? ii. Weight on the Moon? iii. Mass on the Moon? In some applications one is faced with the problem of interpolating points which lie on a curved line (for example in computer printing of enlarged letters. Often the complex shapes (... Show that the shortest vector in (norm with constant c norm (n ≥ p> has only non-zero. (#) Please help me answer question 5&6b. English answer. Thank you in advance . 3.09 Done Unit 2 Exam including units in the work and answer (as shown in the readings on dimensional analysis by... (f) Prove that every a natural number n can be written as 3. Burn and difference of distinct powers of 3. In other "wilds" there exists a non-negative integer 3 and numb... ..og E (−6lB, 1 f), using the table above ... Calculate Function ... Linear Function ... Quadratic Function ... (x - ...) f + ... C... Using the output of your regression, what would you predict as the final GPA of a student that was 26 years old and scored 680 on the GRE? PLEASE HELP TO ANSWER THIS CORRECTLY. FOR AN UPVOTE AND POSITIVE RATINGS. MY CHOSEN TOPIC IS LETTER A: COMBINING FRACTIONS.. B. Among the topics listed below, choose one and write a discussion about... d) Describe some of the strategies and algorithms used to solve the traveling salesperson problem. Please apply strategies and algorithm that you have learnt in this module. Only if you want it... Bonjour vous pouvez m'aider à faire un devoir. Exercice 1 10points Alors ABC est un triangle rectangle en A tel que... Tracer la longueur horizontale de la tôle ... Sir i am stuck for this question . Question 8. How many integers from 1 ... In the following figure ... Sir i am stuck ... Use the following integral: ... Sir i am... (x^2+x^2 +1) dx ... Prove that (Tv) ≤ T... (b) ... Use the integration by parts to evaluate ... Find the maximum values ... help me ... Is a geometric series ... the number of defective batteries in packs of 20 is 1.6. Use a binomial distribution to calculate the probability that a randomly chosen pack of 20 will have more... Solve for the below. The non uniform XYZ bar which weighs 199 kg has its centre of gravity 4 at a distance 4 m from X. This bar rests on a homogeneous crate F. The static coefficient of friction betwe... A financial analyst has gathered the following data about the relationship between income and investment in securities in respect of 8 randomly selected families: Income : 18 12 19 24 43 37 19 16 (R... If 20% of an electricity bill is deducted, then P bill? −1650 will be paid. How much was the bill originally? Given the function f (x)= ... Given: If 2x=6 then x=3, identify the type of implication * If x≠3 then 2x≠6 * O converse inverse contrapositive O negation. If 2x=6, then x=3. [-/0.5 Points] DETAILS BMU There are 14 qualified applicants for 7 trainee positions in a fast-food management program. How many different groups of trainees can be selected? Need Help? Read It Watch ... Hi, this question was given as a homework The course is Material cost ... I hope I can get explanation ... . A flange is forged from C-1020 steel bar 1.5 in. O.D. ... Find 10 points. The ice-cream shop in Santa Clara College offers three types of ice-cream: chocolate (C), vanilla (V), and strawberry (S). A survey of its 800 of its senior students shows that: 350 stu... Suppose a polynomial function of degree 4 with rational coefficients has the following given numbers as zeros. Find the other zero(s). i, 10–V13 The other zero(s) is/are (Type an exact answer, using ... Identify whether the following examples are observational studies or experiments. 17. You want to study the characteristic of a busy intersection and count how many people keep driving through the intersection... Scenario 1 In scenario 1, there are 5 different cars in the assembly line. Unlike scenario 1 and scenario 2, every car has 3 distinct ... Let z 2 Z be an integer. Denote n-1 Sn = {(P1, ..., Pn-1) ERn-1 : 0 <pi < 1 for 1 < i< n - 1, and 0 <1 - > pi <1}. i=1 Let (pi, ..., Ph-1)T E Sn be a fixed vector. Consider t... Sir i am stuck for this question. [16 Points Total] Use Lagrange multipliers to find the maximum and minimum values of 3x +6y subject to the constraints 3x + 2y² = 63 and x, y * 51. Halo ada yg bisa bantu... Suppose and e... Tolong bantu soal pilihan ganda ... untuk anak kelas 1 ... mohon bantuannya ... Desarrolla ejercicio ... la función ... a ... La... En una fábrica de... Tolong bantu... Solve ... Find the value ... (10 marks) Consider the graph of the regression problem... Solve the problem... Is that . The number ... Take-Home Quiz (optional) ... (0/2/2 Total) Remaining Time: 02:20:12 Which of the following electrical machines have ... (a) and ... the load of a ... number of defects in a ... Chrome File Edit View History Bookmarks Profiles Tab Window Help Q 8 Thu Sep 30 12:23 AM Mail – Hernandez, X VA & 3 Homework C X Course Hero * Course Hero x Course Hero x | Desmos | Let's le: X | Mat... Solve the graph ... (a) ... Find ... 的 ... (b) ... Find the ... help ... 2 ... Sir i am stuck for this question ... the number of times a student ... Sir i am... Using the formula ... Find the graph of y = x2 is compressed vertically by a factor of 2. Is the data below ... In a number of times ... (10 marks)... Express your answer in simplest form. Express the ... Solve ... Use the graph ... Solve the ... The width ... (a)... The ... 14 ... Suppose that ... The height ... Sir i am stuck for this ... SOLUCIÓN ... Una letra de cambio de $ 2,400,00 ... Graph theory Let ... 1.54 ... Sir ... Find the values ... QUESTION ... (b) ... Solve the equation ... Find the ... equation of the line ... the number of ... Calculate ... Hi can you help ... to... (a) ... Determine ... the probability ... Solve for x: ... Express your answer ... the roots ... The values ... Sir i am stuck for this question... number of ... QUESTION 1 ... The ... Given the function ... answer ... Prove that ... Use ... Solve ... the equation ... Find ... the area ... the probability... (a)... Express... Determine ... Find the derivative ... Consider ... The ... Please ... help ... Sir i am stuck for this question ... Find the ... A ... Given that ... The following data ... Find ... QUESTION 3 ... Suppose ... Find the ... Determine ... Sir ... Solve ... the ... Given ... Prove ... Sir i am stuck for this question ... Consider ... The ... solution . Pls don't copy from any other platform as all solutions are incorrect . pls provide a neat and clean and a fresh solution for the vote. All information ar... An instructor teaching two sections (Section 1 and Section 2) of MSCI 2020 wants to compare the midterm exam performance of these two sections. She randomly selected 25 students from each section and ... Use the iteration of the fixed point to locate the root of f(x) = 2 sin(√ x) − x. Start on x 0 = 5 and iterate until ϵ a ≤ 0.06 % Probability – Using page 242 – (Tucker text) answer question 9. 9. Describe an instructional/learning activity in which students toss a plastic cup to estimate the probability that it will fall righ... . – 5 Graph the function fox, = log rx+ 2) + 1 Identify the Domain, the Range and the equation of the vertical asymptote and 2 paints – C Sketch an even continuous function with all of the followin... Just give the answer without explaining it. TICTIVUS 105 INCAL Tac rage / Vl It Question 9 (3 points) 8x + 2, for x<2 For f(x) = 11, for x =2, find f(-7) and f(7). (x2 +7, for x > 2 A) f(-7) =- ... Note: I need to be typed and word to word your answer, not pasted from anywhere else.. Question 4: You are playing laser tag. The players are a mix of 8 adults and 5 children. The staff tell you to li... math help please ?. ctions/interface Decimals by Whole Numbers Divide. Round to the nearest tenth. 5.1 104 Enter orparation. All Rights Reserved. 110 O n-ary Relations and Their Applications. Show that if C, and C, are conditions that elements of the n-ary relation R may satisfy, then SC,AC, (R) = Sc, (sc, (R)). Q- Reduce the following ratio to its smallest terms Original ratio- 84:147:63 Ratio in lowest terms – ? 5293124072_Linear_Relations (1).p x 293124083_Linear_Relations (1).p x 293124083_Linear_Relations.pdf x 5 293124075_Linear_Relations.pdf x 293124071_Linear_Relations.pdf x + C O File | C:/Users/khadi/... Let X, Y, Z be sets, f : X – Y be a function, and g: Y – Z be a function. Prove the following: (a) If f is injective and g is injective, then go f is injective. (b) If f is surjective and g is surject... SOAL : 1. Dari data-data perekonomian suatu negara diperoleh sebagai berikut : konsumsi minimum penduduknya 500. Jika pendapatan penduduknya naik sebesar 8 maka sebesar 6 akan digunakan untuk tambahan... this needs to be solved in a grade 11 manner. Please answer with as much detail as possible. . IUnCLIC 4. A population of 25 fruit flies is released in the science lab. The population quadruples in 5... We want to consider the conformal mapping g with w = g (z) = z + z , 1 where z = x + i y and w = r + i s . Here z and w are complex variables and x, y, r, and s are real. 1. What is the in... Answer question with steps. Sample Questions 1. Solve [2x +3y =10 x+ y=4 by graphing. N/W 2. Solve -x-5y=8 by substitution. 2x+ y=3 3. Solve 2x+ 3y =6 15x-21y =-44 by eliminating a variable by adding ... In 23 – 25 let to be a finite group of order n and let It be a subgroup of order K. 23) Prove Lagrange Theorem: KIM [Hint problems (x] IF Fed Ly: G – G By Lalx) = ax, Prove Va, BEG, Look- Lab (3) P... how many meals can you get for $3.98. For $3.98 you can get a salad, main course, and dessert at the cafeteria. If you have a choice of 3 different salads, 4 different main courses, and 4 different de... You plan to make 25 annual deposits into your savings account. The first deposit is $500 and the deposits increase by 3% thereafter. Interest rate is 5%. What is the size of the 25th deposit? W... Calculate the first 4 months of payment on this balance with an apr of 30 percent Algebraically find all x E R which satisfy the equation log2 (23) = log2(x – 1) log2(x). A large hotel chain needs to apportion 25 new surfboards for its visitors to rent among three hotels based on the numbers of rooms in each hotel as shown below. Use the table to answer parts (a) and (... 7. A TV channel has ten minutes commercials per 90. What is the expected number of times you could randomly select this channel without hitting a commercial? [2T/1A] 8. A comput... Hi can you help me solve this question . PROBLEM 1 Sketch the following functions: f(x) = (x + 1)3 (x – 2)? Include: x-intercepts . y-intercept . Degree 2 -6 -4 -2 0 2 6 -2 -4 NO HANDWRITTEN ANSWERS PLEASE!!!! Please answer these two questions and show all your work. Will leave a good review . PLEASE SHOW ALL THE WORK! Hint: For the following problems, Use the Centr... A 200hp generator is being considered for purchase. The generator will cost P320,000 with a life expectancy of 10 years, with an efficiency of 82%. The maintenance cost per year is P5,000. This genera... En un grupo de estudiantes, cada uno toma un curso de matemáticas o computación o ambos. Un quinto de los que toman matemáticas también toman computación y un octavo de los que toman computación... Your personal computers are not the only devices that use computer hardware components. There are lots of different appliances that use microprocessors and different kinds of memory, but aren't actua... Problem 5. (9 points) Let W be the subspace of R spanned by the vectors . Find the projection matrix P that projects vectors in R onto W. P = Note: You can earn partial credit on this problem. preview... Simplify each of the following in terms of sine and cos. (4 marks) a) sin3xcosx – cos3xsinx b) cos 6x – sin 6x Let X1, . . ., Xn E RP, n 2 p, and set 12 . . . TIp Xo 21 22 2p X : = E Rnxp X, Inl n2 Top Suppose that X 1 =0. Let the eigenvalue decomposition of the matrix S := LXTX E RPXP be given by S = VAVT, ... you want to purchase a new car in 6 year and expect the car to cost $56000. your Bank offer a plan with a guaranteed APR of 4.5% if you make a regular monthly deposit s. how much should you deposit ea... 5 8 Eight boys and two girls sit on a bench. Determine the number of possible arrangements, given that (a) the girls do not sit together; [3] (b) the girls do not sit on either end; [2] (c) the girls ... 1) Prove Proposition 4.1 : If the game has a strictly dominant strategy equilibrium, then it is the unique dominant strategy equilibrium. (5 points) 2) Weak Dominance : A weakly dominant stra... Need help completing math and science of GED tests. I have a hard time learning. I haven't studied anything in over ten years suggestions would be greatfully appreciated. Deanna Two students in bumper cars want to prove conservation of momentum. They collide their bumper cars. The first bumper car has a mass of 120 kg120 kg and was moving with a velocity of 4 m/s before... 2-3x x+2 2. When solving a rational equation such as 5x-3 5x what is the first step? All held questions will be shown to you again at the end of this test. You have held 12 questions so for The following is a listing of the amount of sugar in six popular snacks found on a high school ... Rewriting Rational Expressions Activity In this activity, you'll use the inspection method to rewrite a rational expression, a(x)b(x), in the form q(x)+r(x)b(x). Answer these questio... Business Mathematics Topic: Basic Concepts of Stocks and Bonds Analyze the different market indices for stocks and bonds. ?... please help assignment 3 question 12. Convert the decimal number -149 to the mini-IEEE floating point format: Sign Exponent Mantissa Number It is possible that the mini-IEEE representation you enter... Linear Programming: An Algebraic Approach (dont use excel for explanation i just need help to create an equation and everything else I will calculate on my own). Ashley has earmarked at most 250000 GB... Painting The Ace Place Paint Co. sells paint in steel drums each weigh- ing 36.4 1b empty. If 1 gallon of paint weighs 9.06 lb, what is the total weight of a 50-gal drum of paint? text maygemk. nd X3 and find that for the squared residuals regression: 0.414 Multiple R 5 0.171 R Square 8 0.160 Adjusted R Square 0 92.37 SEE 60 duct a test at the level to see if conditional hetero... Standard 4 – Modelling a) The coordinates of points on a path up a hill are (30, 80), (50, 118) and (90, 205) where x is the horizontal distance in meters and y is the vertical distance in meters. i) ... Recall from class that the smallest example of a projective plane is the Fano config- uration, also called the Fano plane, which has seven points and seven lines, with three points on each line and ea... Find the partial derivative of the dependent variable with respect to each of the independent variables. U= e 7X + 4y A rock sample containing 256 g of tungsten-187 decays until it contains only 0.25 g of tungsten-187. If the tungsten has a half-life of one day, how long would this take? (4 marks) hello i really need help on these sums. 3. (a) Describe fully the single transformation that maps triangle A onto triangle B. (b) On the grid, draw the image of (i) triangle A after a reflection in th... 1 (Solving an LP Graphically) Consider the following LP: min z = 3×1 − x2 subject to 2×1 + x2 ≥ 4 2×1 + 3×2 ≤ 10 x2 ≤ 2 x1, x2 ≥ 0 (a) Solve graphically the LP. (b) Verify your solution with... Write a simple word problem for 2 4 ? 3 5 15. Use your word problem and math drawings to explain why it makes sense that the answer to the fraction multiplication problem is 2 . 4 3. 5 In particul... Steve's investment doubled from $1000 to $2000 over 8 years. He knows that the interest was compounded quarterly. What annual rate did he get on his investment? Find the expected value E (X), the variance Var (X) and the standard deviation ?(X) for the density function. (Round your answers to four decimal places.) f (x) = e x on [0, ln 2] Learning Diagnostic Analytics Recommendations Skill plans Math Language arts Science Social studies Sixth grade > H.10 Multiply and divide decimals: word problems GZN You have pri Grace is having a... If the point (4, 7) lies on the graph of 2y + 2 = f[15(x – 1)] , what is the corresponding point on the graph of y = f(x)? Show all work. The graph of f(x) = x 2 has been transformed so it has a ... full answer. Excel Electric Co. Lid buys electrical components in batches of 2000. From time to time a batch is randomly selected and, for quality control purposes, all the components are inspected. T... solve thIS math question with theory explanation. 40. Of the 52 apartments in the housing association, the owner has changed ownership at least once in 47 years. Assume that the housing turnover rate ... Please provide Handwritten answer of. 15 Who would benefit the most from the change away from the DB plan to a 401 (k]? Answer: What is the maximum contribution to a 401(k) of a worker age 56, who ear... Please provide Handwritten answer. 4. Use an appropriate Fourier transform to solve the 1-D diffusion equation on the half-plane: On 0 0< <00, 130 with the initial condition : u(z,0) =0. 0 < ... Show that if R and S are both n-ary relations, then Pi1 ,i2 ,...,im (R ∪ S) = Pi1 ,i2 ,...,im (R) ∪ Pi1 ,i2 ,...,im (S).. Show that if R and S are both n-ary relations, then (R US) = Pin,.. .i (R)... Go on to next page! Part B: Using the information in Part A, find how high the arrow will go at its maximum height, and how long it takes for this to occur using an algebraic method. Show all of your ... Consider the symbiotic relationship between a cleaner fish and the host that they clean. In each interaction a cleaner fish (row player) can cooperate (C) by properly cleaning its host or defect (D)... Hi I need help with this multiple choice question please, thank you!. Consider the following statements: 1. Every system of linear equations with 4 equations in 7 variables (unknowns) has infinitely m... Suppose the extended IS-LM model that allows for imports and exports is given by: C = 15 + 0.8(Y − T) T = −25 + 0.25Y I = 65 − r G = 94 X = 40 − 0.1Y M? = 5Y − 50r M? = 1,500 where C i... More is Better (Part I). The order list for a project is as follows: Task(t) Prereq. A(3 B(2 I C(2 D(2 – E(4) D F(4) D G(4) H(4 J(9). The time is in hours, and the priority list is A, B, C, . . . , J... Please provide Handwritten answer of. Use finite difference method to solve the heat equation with K = 1 for a 1-meter thin rod with T(x=0) = 200 and T(x=1) = 240. Use a step size of 0.25. Show your s... please help. 4. What is the effect in the dual G* when the following operations are made in the planar graph G a) Delete a vertex of G of degree 2 b) Contract a face of G with 5 boundary edges. 5. If ... help me for my question. 0. What is the volume of the given figure? (Use It=3.14) 8 cm A. 2 143.57 cm C. 2 144.57 cm3 B. 2 143.58 cm3 D. 2 144.58 cm Suppose the number of French fries in a small bag at a particular fast-food restaurant follows a normal model with mean 49 fries and standard deviation 5 fries. a) Use this model to estimate the pr... tan as 8 tan a= 90 AN Direccion = 180 + 36.012 11 tan B = 216. 020 tan a= tan" a= 36.020 B = 216-020 140 0 dx = 11 m a= 36 02 360 0 dy = 8m I d 1 = N (H) + (8 12 Cor denada rectan gular. id! =... Suppose that y1 < >2 are arbitrary real numbers and yn = =yn-1 + zyn-2 for n > 2, Show by the Contractive Sequence Theory that {y } is convergent. What is the limit? 9. Test the following ... The table shows the number of internet users worldwide since 1994 (A) Let x represent the number of years since 1994 and find an exponential regression model (y=ab x) for this data set . (B) Us... 1).Write the truth table for the propositions below and determine whether it is a tautology or contradiction. a).\[Not]p(\[Or]\[Not]q)\[Or](\[Not]p\[And]\[Not]q)\[Congruent]\[Not]p b).(p->(q->r)... Use any simplex method in linear programming app or browser for the simplex tableau. C. Add the appropriate slack and surplus variables to the system and form the initial simplex tableau. 1. Maximize ... Written Math A. Filor items 21 to 25, determine the constant of proportionality. / 21. a is directly proportional to b. If a = 15, then b = 9. /22. T varies as the square root of L. If L = 81, then T ... Question 3. Suppose f : R – Z , is the floor function f(a) = 3 (i) Determine whether or not the function is injective (one-to-one). (ii) Determine whether or not the function is surjective (onto). (i... Solve the following inequality. (5 marks) 2 X+3 X Please Do Asap..Urgent. Skip if you don't know. And Do not Upload the Wrong Answer.. . Consider two line segments represented in parametric form: p(a) = (1— a)p1+ ap2, €106) = (1- B)CI1+ 5'42- Fin... 1 2 3. A study was done on a sample of fourteen 17 year-olds on wearing seat belts while driving. Data table showing results of survey on seat belts 1. How many females in sample? 2. How many males wh... Casey is paid $1,240 a week. She worked 6 hours overtime last week and received $1,432. Calculate her overtime pay per hour. 3.3. Let rot be the return of a stock index at time t. Sharpe's single-index model assumes that the log returns of the n stocks in the index are gen- erated by rit = QitBirot TEit, 1 < i <p, whe... Please provide Handwritten answer. 2. Let / be the number of claims of an insurance portfolio. Assume that NO = 0 follows negative binomial distribution / B(0, 5), and O follows a uniform distribution... In adults the ideal diastolic blood pressure is less than 80 mm Hg. At the 10% significance level, do the data provide sufficient evidence to conclude that the mean diastolic blood pressure of bus dri... This is a Proof on Real Analysis. kindly help me out. Problem 6 (2 pt.) Suppose 1 < p < co and f E LP([0, co)). Prove that lim f(x)enz = 0. n-+00 / [0,00) Hint: Separately consider the three ca... Solve the following rational equation: a+1 3 a-2 a-2 + 5 Nad is a sales rep for a plumbing fixtures store and receives sales commissions of 2.5% on the first $15,000 of sales in a month, 3.7% on the next $15,000 , and 4 .5% on all further sales... l' Discuss the reasons Why a system of equations AX=b may not have a so- lution (using language from vector spaces and subspaces). Give examples. 1- Show that a representation in terms of a linearly d... . Suppose a rock dropped into a pond creating a circular ripple travelling at a speed of 45 cm/s in an outward direction. (a) Let r be the radius of the circle. Express r as a function of time, t... Assignment 4.2 Linear Regression Construct a simple regression to predict house price from area (saft_living Call this modell. Let us examine how well the model is predicting price. W is the p-value f... show your solution. do not get same question. Question 4 Given the piecewise-defined function f () – " -1 if t<6 I if t2 6. , then the Laplace transform LIf ()]- A (1-46(1)) -u6(1) B (1-46(+)... I need to solve this in 1 hour hope I can get help thanks!! Question 45 A 39 kg dog needs a metoclopramide (5 mg/ml) CRI at 3 mg/kg/day. You have a 1L bag of Lactated Ringer's solution. The fluid rate... Find the shortest line in between two points using polar coordinates, i.e. using them as a line element ds2 = dr2 + r2do2. Problem 7 – Zero-balance Account Lita Company is considering the establishment of a zero-balance account. The firm currently maintains an average balance of P420,000 in its disbursement account which ... . Consider the function y = y(x) whose 2 graph appears to the right. Using this graph, estimate the values of x where: a) y(x) =0 -4 -2 -1 b) y(x) <0_fi.e. y(x) is negative) -1 y = y(T) c) 1sy(x)... Question 10 only please. prop 9. In the hatcheck problem, use our formula for e to determine the probability that exactly one gentleman gets his hat back if there are 3 gentlemen. 10. In the hatcheck ... Goodmorning, yesterday l asked a question for the sixth root of 7.20 * 10^38 . The answer was giving and I needed a video explanation of the mathematical operation. I was surprised to have noticed tha... . Suppose your friend departs from point A (the campsite) and walks in the direction to point B (the fishing pond), but, along the way, stops to rest at some point C located three-quarters of the di... Sir i am stuck for this question. 4 Question 4 Rewrite the following rational function: f (x) – 8x -15x+36 as a quadratic function for x * -3 (hint use long division). f(z) =. 10 Question 10 On which ... Find the general solutions (implicit or explicit) to the following equations. (a) ?' = 3x-2 + 12 e-2y. dy 3r-+ y cos I (b) Ay – sin r . Suppose that a researcher estimated the following regression equation: WAGEi = 5.520 + 1.008FEMALEi + 0.512EDUi – 0.124FEMALEi*EDUi + ei where WAGE is the hourly wage, EDU is years of education, and... QUESTION 6 . 1 POINT The state of New York has 645 Starbucks with a population of 19.89 million. Write the number of Starbucks per 10,000 people in New York. Provide your answer below: Content attribu... We have to use mathematical induction for the given problem, please can you show how to do this problem step by step.. Prove that 7 | (32n – 2") for every nonnegative integer n. Dada la funcion p(x)=544-4x donde x representa las unidades vendidas. Determina la función de ingreso. Can you help me this question clearly hand writing step by step please. Question 2. For each of the following statements, either prove it is true, or find a counter- example to demonstrate that it is ... How many 5-digit numbers can be formed using the numbers 0, 1, 2, ...9, such that: a.Repetition is allowed? b.Repetition is not allowed? c.The first digit must not be 9 and repetition is not allowed? ... Kaan invested $8,000 in a three-year compound interest GIC earning 5.25% compounded quarterly. What is the maturity value of his GIC? Multiple Choice $9,851.51 $9,327.31 $9,355.06 $8,996.16 $9,393.93 ... For you, what is the best manifestation of mathematics in nature? How is it exhibited? 2. In what way does a mathematical concept influence your reasoning and decision making? Cite a scenario. The outbreak of corona virus disease 2019 (COVID 19) has created a global health crisis that has had a deep impact on the way we perceive our world and our everyday life philippines one of the highest... Please answer any that you can!. B. Instructors Questions 1. Suppose John tosses a coin 5 times. Let X be the number of heads. Calculate Pr(X = x) for x = 0, 1, 2, 3, 4, 5 and find E(X). 2. (a) Let X ... please show all working. Used factorisation to solve the following quadratic equation 4t – 19t – 12 = 0 Part C h-grade textbook page asks students to show equivalent fra ns for #5-9? 11-5 Number Lines and Equivalent Common Core Fractions How can you find equivalent fractions on a number line? Sal rode his bike... Please answer the questions, show full work and thank you. Consider the differential equation dt = 2VIxl, x(0) = 0. (1) 1. Show that the function x1 (t) = 0 for all t is a solution of the initial-valu... Please help with this advanced math question. Problem 2 In this MATH336 assignment problem, suppose f1, f2 : R" – R are both convex functions. (a) Define the function g : R" – R where g(x) =... Please see the following ASAP!. 1) What are the taxes Mike would have to pay on a Fort St. John property assessed at $ 1,000,000 if the mill rate is 17.50 ? 2) Mario recently sold some Enbridge Energy... mathematical literacy. Question 1: Mrs. Paul is registered with SARS and keeps a record of all the financial activities in her business. You have been appointed to help Mrs. Paul with her VAT and UIF ... 1 A park is currently home to a population of 200 rabbits. The park is estimated to be able to sustain a population of 2000 rabbits. Absent any restrictions, the rabbits would grow by 50% per year. (a... Consider the body bound by the cylinder x2 + y = 1, the (x, y)-plane, and the graph of the equation z = 0.1×3 + 0.1x2y + 0.4y2 + 4, as depicted in Figure 2, below. Figure 2: Body for problem 4. (a)... Calculate the price including both GST and PST, that an individual will pay for a car sold for $26,995.00 in Manitoba (GST = 5%, PST = 8%) Please ASAP . 5. (i) Let G be a graph on n vertices with at least (",) + 2 edges. Use Ore's theorem to show that G is Hamiltonian. [Hint. Note that if G is not complete then it has two non-adj... Can anyone show how this could be solved using the prospective method?. 2 Given a. P. = 0.01212 b. 20 P. = 0.01508 c. P. = 0.06942 d. 10V, = 0.11430 Calculate: 20 10 x (Hint: think retrospective rathe... Suppose p is true, q is true, and r is false, find the truth value of p →(q → r) . You do not need to make truth table please help. Show all work for each question. 17. Given the graph, Age versus Height Height Age N 2 3 4 5 5 6 6 a) Describe any trends you see. (2 marks). b) Why is this graph limited in its effective... 2.Two equal uniform rods AB BC each of weight W are smoothly joined at B and their midpoints are connected by an inextensible string.The string has length such as when it is taut ABC makes 9..(@). The... Explain how the graphs of y = and y = XX- 2) are different, and why. X +1 (x+1 x-2) The interest charged on a loan was $36.50 for 60 days . The loan principal was $825 . What rate of simple interest per annum was used? (% to 2 decimals) Tell whether the following is true or false: 1. Empty set is also called a unit set. 2. { Æ } is an empty set. 3. A set with two elements has 2 subsets. 4. Equivalent set is also an equal set.... Please submit typed answers as handwritten are often illegible. 1. Solve the LP problems. If no optimal solution exists, indicate whether the feasible region is empty or the objective function is u... Sir i am stuck for this question with explanation . 1. Solve each of the following equations. a. 22 + 2 +1=0 b. 22 – 2z + 5=0 c. 22 – 8z + 25 = 0 2. Use the following information to find x and y. a.... answer please. Mr. Mitchell has been driving for 16 minutes. It is currently 7:22 am. If he has 9 minutes left of his morning commute, what time will he arrive at his destination? Read the problem carefully. The problem may have multiple parts. Answer each part clearly using several sentences (pay attention to the instructions). Include diagrams and appropriate mathematical... Miami's Adu Inbox (17,680) – c x M Important inform EX Sig C webassign.net web/Student/Assignment-Responses/last?dep=2741 17. [-/0.57 Points] DETAILS LARMPMT1 2.1.025. 0/100 Sub (a) Tell whether the s... A 4-wheeled vehicle of total mass 1500 kg is accelerated from rest to a speed of 72 km/h after travelling a distance of 400 m up an incline of 1 in 10. It has two axles, each of which together with th... Jay decided to swim after playing soccer. so he dived off a springboard at the pool. His height, h. in metres. above the surface of the water can be modelled by the relation h = —d£ + 4:! + 5 wh... Calculus 1. If y = 2x 1-72/ Show that d2 y 4x(x2 + 3) dx2 (1 – x2)3 All held questions will be shown to you again at the end of this test. You have held 4 questions so far Find the error in the calculations below, if there is one: Line (1): – – 76 – 5 Line (2): 10x + ... grade 12 advanced function.. 2 WRITE AS A SINGLE LOGARITHM a) 3logx – 4logy + leg z 1) Log, 17 Rog,10 Consider this traffic circle. North Averus Main Street This is the traffic volume. in units of cars per ten minutes. North Pier Main into 100 150 25 out of 75 150 50 We can set up equations to mode... Explain in details.. Consider the vote count for the hypothetical election results shown below. Candidate A 45 votes Candidate B 90 votes Candidate C 450 votes Candidate D 145 votes Candidate E 20 ... El señor Márquez, es un reconocido sastre en el centro de la ciudad; y cobra un precio "p" por hacer pantalones para caballeros a la medida. Dicho precio es la solución de la ecuación: . Si debe h... number 1 assignment 7 . -7 5 7 0 0 Write the 1st equation of this linear system whose augmented matrix is 5 -3 2 -3 Do not simplify the equation, and use x, y and z as variables for this linear syste... Please answer both question 1 and question two referenceing A through B options. . You are a traveling sales rep who is attempting to visit all the cities shown on the map below with their respect... QUESTION 3 (a) Consider the boundary value problem " =12x, x(0) = 1, I(1) – 2 Solve this system by the shooting method by using the simple Euler method with At = 1, to find the approximate value ... The current price of $41.99 for a monthly cellphone rate plan is 105% of last year's rate plan. There are currently 34,543 subscribers to the plan, which is 98% of last year. Express the current total... Let X, Y, Z be sets, f: X -> Y be a function, and g: Y – Z be a function. Prove or disprove the following: (a) If go f is injective, then f is injective. (b) If go f is surjective, then f is surjec... These are math word problems that I have in my Philisophy class, reasoning and comprehension that I need to know how to solve with explanations. thank you for your help. 1. The front wheel of a bicycl... Given the function below with a domain of [-9, 6], provide a sketch of the inverse and state the restriction on the domain so that the inverse is a function. (2 marks) .. ..>. . "... Problem 4 Find o solution it = n(rs,t) of the problem Ht=uzm, 0<$<L n(0,t) = n.3, tr» 0 U(L,t) = U1} t> '0 where no and n1 one given constants. Solve the following problem. In how many different ways can three distinct horses finish the race, if all sorts of ties are allowed to happen? Calculate the rate of infusion in mL/hr: An order is received to infuse amphotericin B 240mg in 500mL over 4 hours. How many milliliters per hour should the IV pump be programmed for? A postpartum pat... 2) Jaspreet invests $1000 earning 5% simple interest. How long would it take fo her investment to double in value? Write final answer in a therefore statement. Determine the validity of the following argument. Superman can fly. I can't fly. ——- I am not Superman Find the half-range cosine and the sine expansion of the following function: f (x) = X , 0 <x < n/2 (I – X, 1 / 2 = X CHI 2. Show that the Fourier series of the function -1 < X <0 f (x)... Assume A is the universal quantifier, E is the existential quantifier and ~ is the symbol for NOT. Let P(x) = 2 x>3x. Assume that x can be any real number. Which of the following statements is true... A debt of $5000 is to be paid in two payments, $3000 in 2 years from now and another payment in 6 years from now. Find the amount of the second payment if interest is charged at a rate of 3% compo... It xy prove that k (x (, 1) = defined on (– 1 1) x (- 1, 1) 1 – JIM is a positive semi – definite kernel A selection committee consists of three people. They use a one-person, one-vote majority system. A. find all the winning coalitions b. find all the losing coalitions QUESTION 6 4 points Save Answer Use the following formulas to answer the questions: Resting Energy Requirement (per day): 30 kcal/kg x BW in kg + 70 kcal Multipliers for resting energy requirements: M... Help me those questions please. 1. Assume that the readings on the thermometers are normally distributed with a mean of 0. and a standard deviation of 1.C. A thermometer is randomly selected and teste... Given the following voting preference schedule for movie genres, answer the questions below. 7 4 8 6 5 1st Choice Action Romance Comedy Comedy Horror 2nd Choice Romance Action Romance Action Comedy... We just started linear and exponential growth models and where asked to mathematically explain why the statement below is accurate or not. I am still confused by growth equations and was wondering if ... Write and solve your own word problem for 14.3 X 1.39. The density at any point on a semicircular lamina is proportional to the distance from the center of the circle. Find the centre of mass of the lamina. How Democratic is Georgia? County-by-county results are shown for a recent election, For your convenience, the data have been sorted in Increasing order (Source: County and City Data Book, 12th editio... I need the answer for this. The price of a bag of popcorn at a basketball game increased from $3.10 to $3.75. The concession stand sold 290 bags of popcorn. With the price increase, how much more mone... please help and please give m ethe right asnwer . Convert the decimal number —1 8 to the mini—IEEE floating point fonnat: Sign Exponent Mantissa I I . D It is possible that the mini—IEEE repre... Sir i am stuck for this question only first 3. Show that these series are convergent and calculate their sum. 00 EM 1 (X) Z 211 + 1 n2(n+ 1)2 1 2 211+ 3 1101; + 1)('n. + 2) 1 Sir i am stuck for this question . 7) [16 Points Total] A dead body is found in a 58 degree environment. If y(t) denotes the temperature of the body t minutes after death, then y' = -k(y – 58) for so... . Problem 9. Crude oil from different reservoirs in an area have different API gravities and sulfur contents. The event to find a high-sulfur (sour) oil reservoir is denoted by S, and the events to ... Full solutions showing all the steps would be much appreciated. . Exploring Functions Unit Assign X Research Scientist Career Foci X Research a Scientist Career Fo X Course Hero X C Ims. virtualhigh... help me question 6b.7c clearly step by step pls!. 6 Find the following integrals. MTH1020 PROBLEM SET 9 (a) x(22 + 7) 12 dx (d) since2 cost doc (b) t et (+2 – 1)4 dt (e) 1 + et dt (c) x sin(2 2 – ... Suppose you buy a home and finance $170,000 at $1,247.40 per month for 30 years. What is the amount of interest paid. an unprepared student makes random guesses for ten true or false question on a quiz. Find the probability that there is at least one correct answer. Convert in non-fractional ratio the following:1/2 : 2/3. Question 19 6 pts Light intensity (I) is proportional (or) to the inverse square of distance (d) of a subject from a light source. The relationship in intensities for subjects at different distances f... The RBC Royal Bank offers an "add-on option" on fixed-rate mortgages. The option all the customer to borrow additional funds partway through the term of the mortgage. T interest rate char... 1 1 1 1 0 3 2 Find det 0 0 -1 2 0 0 U 1 O A. 14 O B. 33 O C. 27 O D. -14 O E. -33 Reset Selection You receive a pay raise of 6%, followed later by a pay cut of 6%. After the two changes in pay, your salary is unchanged Solution must show all workings and submitted in handwritten format. Q1 a) Assuming X 0 = 6,827, determine the next 10 random numbers using the mid square method. (10 Marks) b) Given X 0 = 89... Please write all the steps clearly. Thank You. . (2) Find the volume generated by revolving around y-axis, the figure bounded by x-axis, line x = 4 and the curve y = x2. Please provide Handwritten answer. Find a fundamental solution for the operator P = 0 -1 (i.e. Pu = du – u) in R. The teacher is engaged in a criterion-referenced interpretation of scores. Which of the following does she do? please provide clear and neat solutions step by step for the following?. 3. Find the parametric form of the solutions of the PDEs in Problem 1, which satisfy the following respective side conditions. ... Question 3 < 0/5 pts 5 100 Given the vector u = (– 6, 6), find the magnitude and angle in which the vector points (measured counterclockwise from the positive x-axis, 0 5 0 < 27) 0 = How long will it take a given quantity of plutonium-239 to lose 60% of its radioactivity? (Round your answer to the nearest whole number. The half-life of plutonium-239 is 24,400) On page 77, division, explain the difference between: measurement division and partition division. When would you choose one method of instruction over the other?. Afterthe trade. we have 2 hundreds... Please provide Handwritten answer. Complete the solution to the traveling wave ODE for the viscous Burgers' equation by finding the solution to the ODE (u – u_) (u – 2+). Researchers have found that the life expectancy of dogs is normally distributed with a mean of 15 years and a standard deviation of 4.2 years. Calculate the probability that a dog selected at random w... – 1 hour 1/1 QUESTION 19 . 1 POINT At your local store, you are given a coupon for 20% off any store item purchased. The item you choose (normal price is $60) is already on sale for 30% off. You are a... Solve the following.. 5. We want to select three subsets A, B, and C of {1, 2, ..., n} so that A C C, B C C, and An B + 0. In how many different ways can you do this? You are considering developing a 25,000 square foot parcel. The development is planned to include all residential, with 5,000 SF of commercial retail on the ground floor. 1 unit / 264 SF of land ... additional mathematics form 5 permutation and combination topic. 6. The diagram shows a four-digit passcode '0552' HOTS set by Raji for his smartphone. Rajah di bawah menunjukkan satu kod laluan empat... For my combinatorics class, any help is appreciated! This is a question from a practice exam with no solutions. Please answer all parts to question. I will make sure to UPVOTE!. 3. In order to show that both sets P(N) and F(N, {0, 1}) have the same infinite cardinal, 2*0, we shall construct a bijection 4 : P(N... please provide a through explanation. Question 1: Consider a discrete real random variable Y with realizations yx, k = 1, ..., n, attained with probabilities px > 0, _"_Px = 1. Calculate the m... Are the set of solutions to the differential equation d2 a(x) d da- 2 u(x) + b(x) dx u(x) + c(x)u(x) =0, 0<x<1 a vector space? it alrady has the answer! im looking for procedures. transalation of questions: 10) If y = x 3 + 4x 2 – 3x + 4, use the second derivative criterion to determine the values of x where the function... Solve the ff:. Find the solution of the following differential equation. dy 1.) IC = y + Vac2 – 32 dx x CSC ") – y dx + xdy = 0 2.) 3.) y Inxiny dx + dy = 0 oxeydy + 202 + 1 dx = 0 y directions: write a journal about which is better in terms of buying a large purchase or property — "saving money on bank or getting loan"?. Additional Activities Directions: Write a journal about w... Hi...it's financial math. dysart schoology.com/common-assessment-delivery/start/51542 action-0 time&submissionid-708089733 Unit 05 Test – Part 1 POSSIBLE POINTS. 10 Cory is going to buy a used Che... XYZ Ltd makes three varieties of shirts: A-Type, B-Type, and C-Type. These shirts are made from different combinations of linen and polyester. The cost per meter of unblended linen is $5 and f... Desarrollar ejercicio atravez de metodo de integracion The 20-point signal x(n) is given by x(n) = sin(2π2n/N) , 0 ≤ n ≤ N − 1 where N = 20. (a) Roughly sketch the signal for 0 ≤ n ≤ 19. Do not explicitly calculate the values. (b) Find the DFT ... can anyone do this for me . can anyone solve this. Test #3 Simple Interest 1. CentSmart Inc. deposited $33 215 into an account that had a simple interest rate of 2.3% on February 27th, 2015. On New Ye... 9 Tina has 4 less than 4 times the amount of kittens that Karl has. Tina and Karl have a sum of 61 kittens. How many kittens does Karl have? 10 7·22 – 2·7 -5[(87÷(8-11))÷(99÷3-2 2)... Show work for each. 21. Fill in the blank with an appropriate word, phrase, or symbol(s). A voting method that may not satisfy any of the fairness criteria is the method. A voting method that may not ... In 1970 Japan, the intrinsic growth rate was close to zero, life ex— pectancy at birth was about 75, and the mean age of the stable (in this case, "stationary") population was about 40. By 2015,... Do not understand. . The boxplot below shows salaries for Construction workers and Teachers. Construction Teacher 20 25 30 35 40 45 50 55 Salary (thousands of S) Q Jennie makes the first quartile ... Show all work to solve problem pls. 10. 10. If P(E and F) = .392, P(E/F) = .56 and P(F/E) = .7, then (A) P(E) = . 168 (B) P(F) = . 308 (C) P(E or F) = . 084 A bank is offering a special three-year investment certificate paying 3.25% per year, compounded monthly. How much interest would you earn by the end of the three years if you deposited $1500 in the a... usp-MA161. (discrete mathematics) refer to question answer both parts please. (a] Use mathematical induction to prove that 3 + 5 + 7+ 94 ... + (2n – 1) n – 1 for all integers n 1 (b) (1) Find the quo... Which methods may we use for correctly evaluating the sum 34 + 35 + .. + 38?) We rewrite the sum as (30 + 31 + 32 + 33 + 3* + 35 + ... + 39) – (30 + 31 + 32 + 33) and apply the geometric summation fo... Question 2: Consider the following optimization problem: min f(x). (2) where f(x) = E [[x – ZI]. At xk, we see Z*+1, independent of x], ..., xk. Q2.a Describe the stochastic subgradient method for sol... Question 1.4.12. As we said above, the model of rabbit population growth X' = b. X is pretty dumb if you take it too seriously at large values of X. You will see later that in the long run, this model... Word problems. Mark sells ice cream for a living on Monday through Friday. This week, he sold ice cream for 245, 180, 200, 95, and 150 dollars. Mark spent 450 dollars to make those ice cream ... re.com/courses/65284/quizzes/529292/take Question 15 6 pts Food cost rate (FCR) is determined by dividing the cost of the food at purchase by the cost of the menu item to the customer. FCR = Price AP ... business mathematics. Question 38 (1 point) Companies uses following discounting methodology owing to transport time period lasting in months. Receipt-of-good dating OOO Ordinary Dating End-of-month D... (10 points) As if the zombie apocalypse wasn't enough, humans (H) are now facing off against both zombies (Z) and werewolves (W). Write a system of differential equations to describe this situation... A high school student has a GPA of 3.4 in high school. A student at the math department used the predicted equation and she claims that Sarah will have an overall university GPA of 3.00. True?... I understand that the constraints should form a polytope. However, I am unsure how to relate that to the idea of recession directions. I would greatly appreciate an answer between now and tomorr... . S4. 31 8 32 W N 33 In each column of this grid the first number is the smallest number that cannot be achieved by adding together some combination of the numbers in the preceding columns. Wh... Please solve my question ASAP . To solve the utility maximization problem more generally, we write the problem as follows: Max U = E(rc – 1/2Ao'c = rs + y[E(rp) – rf] – 1/2Ay- op Students of calculu... simplify [2(5-4 + 6(7-3)] ÷2. 4. Simplify [2(5 – 4) + 6(7 – 3)] : 2 O 13 21 O 19 O 15 Solve the following. Please explain in detail.. Find the number of permutations of {1, 2, .. ., n} that have n – 2 left-to-right maxima. Sir i am stuck for this question 1 need ab,c picture format is not good please try to understand its plus sign not divide . PROBLEME PROPUSE 1 54 se arate ca ummatoarele seni sunt convergente s... A BSC has the error probability p = 0.2 and the input to the channel consists of 4 equiprobable messages x1 = 000 ; x2 = 001 ; x3 = 011 ; x4 = 111. Calculate (a) p(0) and p(1) at the input; (b) Effi... Please help it would mean so much ! Thank you. 1. (2 points) Consider the initial value problem (t2 – 3t)y'+ +2-16 1 y = t3e-2t, y(It) = -1. Determine (without solving the IVP) the largest open interv... There is a test that is commonly done to determine if data in a sample is derived from a normal distribution. In this test, the null hypothesis is that the variable is normally distributed. A test sta... Consider the linear programming problem maximize -2×1 + 3×2 subject to: 2×1 + 3×2 26 X1 -X2 21 X16 X2 3 x, free X2 free a) Convert the linear programing problem into standard form. b) Plot the graphic... Sketch a graph (hand-drawn) of the function y = -3sinx + 2. Include 2 cycles A 0.050-kg tennis ball approaches a racket. If the racket hits the ball and makes the ball accelerate at 9,000 m/s2 , what is the force that the racket exerted on the ball? 2. A net force of 100 N ... Question 2 (6 points) The compound proposition – ((s -> r) Ar) = (r -> s) Vris Contingency O=(rAS) = (rv-s) Tautology Contradiction With the start of school approaching, a store is planning on having a sale on school materials. They have a surplus of 600 notebooks, 400 pens, and 300 folders in stock, and they plan on packaging it ... A 50Ω transmission line (Z 0 = 50Ω) has a loss over its length equal to 2dB . The load impedance is Z L = (50 + j50)Ω and the line length is exactly 0.2455λ . Find the input impedance at the ... A researcher was hired to examine the drinking habits of energy drink consumers. Explain why he was fired when he published the results below, from a survey of 46 such consumers: 24 said they drink... A concert promoter produces 2 kinds of souvenir shirts; one kind sells for $20, the other for $25. The total revenue earned from the sale of x thousand of the $20 shirts and y thousand of the $25 shir... (a) A company produces two products X and Y. How many of each product should be produced to maximize profit if the profit function is given by p= f(x,y)=-3x^2+4xy+100x-5y^2-30y+1500 Where x represents... A linear, real-valued system dx/dt = x has the associated flow φt(y) = e^t * y, y ∈ R in continuous time. Describe the dynamical system associated to the time-one map, i.e., the map connecting each... II . True of False 7/9=777/999 ( ) 50/30 = 80/60 ( ) 5/2 = 2.5/1 ( ) 21/30 =71/100 ( ) III . Multiple choice... State the percentage of scores in a one-tailed critical region for each of the following alpha levels: B. 0.10 C. 0.01 To solve 512 – 146, a student writes the following: 512 400 10. – 146 -30 -4 370 512 – 146 = 366 -30 – 4 400 366 Describe the student's solution strategy and dis- cuss why the strategy makes sense.... Please provide Handwritten answer. Find a function k(x) such that er is an equilibrium solution of the heat equation with p = c = 1, i.e. d HPTAO = ((T) n(T)y) Please answer with COMPLETE SOLUTIONS, thank you!. Consider the following LP model: Max Z = 5×1 + 2×2 + 3×3 *1 + 5×2 + 2×3 < bj X1 – 5×2 – 6×3 < by X1, X2, X3 20 The following optimal tableau co... Show that the heat equation with odd initial condition is itself odd. Problem 6.1 Consider M assets whose return is a M-dimensional random vector r. The expected value of r is a M-dimensional column vector ~ and the covariance matrix is E. (a) The Maximum Sharpe Ratio p... Leona ordered from a company that charges $10 for a box of pens and $4 for a box of rubber bands. She ordered a total of 24 cartons for $210. How many cartons of each did she order? I tried but I don't think I do it correctly.. b) A company is offering a job with a salary of RM30,000 for the first year and a 5% raise each year after that. If that 5% raise continues every year, wr... Please and thank you!. Show Intro/ instructions Brandon has a jar of quarters and dimes with a total value of $7.60. The number of quarters is 8 less than twice the number of dimes. How many quarters ... Submission]) A mortgage of $350,000 is to be amortized by end-of-month payments over a 25- year period. The interest rate on the mortgage is 5% compounded semiannually. Round your final answers to 2 d... Answer questions A , B and C Also round the answers to the nearest dollar. a. Suppose that between the ages of 22 and 26, you contribute $7000 per year to a 401(k) and your employer contributes $3500 ... julio buys a koi fish pond (and fish to put in it) for his wife on their anniversary. he pays $8000 for the pond and fish with $2000 down. the dealer charges add-on interest of 3.5% per year, and juli... Let Ab D = where (symmetric) A E R"X, b E R", c E R. Suppose that A > 0. Prove that D > 0 if and only if c- bA b > 0. : Determine the relative and/or absolute extrema; 1) Piece-wise function: f(x) = x2 + 1, [1,2) f(x) = x + 1, (-1,1] f(x) = -(2/3)(x + 1), [-17/2,-1] f(2) = 6 2) f(x) = (x6 – 3×2 + ... I'm just a bit confused as to how to prove these.. 3. Let (M, d) be a metric space and let A C M be a non-empty subset. (a) (2 marks) Prove that F C A is closed in (A, d) if and only if F = Cn A for s... form complex analysis, Thank you.. Problem 2.+ adz C: z(t) = 3t+it, -Ists4 Find solution of C which stage of the teaching cycle requires the teacher to reflect about teaching and learning ? Solve the following problem.. How many arrangements of MISSISSIPPI are there with no pair of consecutive Ss? Please provide Handwritten answer. 4. Implementing Gradient Descent. In this question you will implement gradient descent for an easy problem: convex quadratic functions. Consider the problem: min : f... Question 4 V Multiply and simplify: x2 – 82 – 20 x2 – 25 x2 – 100 x2 + 72 + 10 Enter the numerator and denominator separately in the boxes below. If the denominator is 1, enter the number 1. Do not le... business mathematics. Question 34 (1 point) Which of the following is not true for Break-Even Analysis: It is an indication of the company's profitability level OOO It measure the output level that bu... Sir i am stuck for this question R=1. (b) Determine with reason(s) whether the following functions f(x) and g(x) is odd, even or neither. (i) f(x) = x3 |st xl (ii) g(x) = x3 + 7R (iii) h(x) = Jae—... The Pizza Palace FREE DELIVERY PIZZA IS OUR SPECIALTY Madium Large (Serves 6) Choose. ... . .4.. $0.00 ... $11.00 Sausage. . . .. 59.75. . . 512.00 Pepperoni........ $9.75 . . . $12.00 Ve... Maths 5. Question 6 [6 points] The rate of markup on cost on a product selling at $66.55 is 30%. a) What is the cost of the product to the retailer? For full marks your answer(s) should be rounded to... A bond has a face amount of 1000 and a coupon rate of 7% per year payable semi-annually every June 30 and December 31. The amortized value of the bond on June 30, 2018 (before payment of the coupon) i... Use R ID Y1 Y2 Y3 Y4 Trt Base Age 104 5 3 3 3 0 11 31 106 3 5 3 3 0 11 30 107 2 4 0 5 0 6 25 114 4 4 1 4 0 8 36 116 7 18 9 21 0 66 22 118 5 2 8 7 0 27 29 123 6 4 0 2 0 12 31 126 40 20 23 12 0 52 42 13... Given the following GPA for 4 students: 2, 3, 3, 4. Age of students are: 10, 11, 12, 15. There are 10,000 total students. Average GPA: Unknown, Standard Deviation of GPA: 0.02 and it's Normal. calc... help me to find y. Rajah 2 menunjukkan satu hubung gan antara dua nombor asas. Diagram 2 shows a relation between two number bases 23y1, = 51y Rajah 2/ Diagram 2 (a) Cari nilai y. Find the value of y. 3/7 Points] Trevor is interested in purchasing the local hardware/sporting goods store in the small town of Dove Creek, Montana. After examining accounting records for the past several years, he found... ABC Hotel. Round up all numbers to 2 decimal places. Mary Smith,, manager of the ABC Hotel, is considering how to restructure the front desk to reach an optimum level of staff efficiency (the utili... A company has a fixed costs $160000. It costs $22 to produce each product. Each product sells for $58. What are the cost, revenue and profit functions? a. C(x) = 22x + 160000, R(x) = 36x, P(x) = 58x... Need help with the step by step solution. CCP Math 121 8. (10 pts) Consider the following relation R on the set N of all positive integer numbers mRn > m+n is an even number . Prove that R is an eq... Gen Math FIND THE SOLUTIONS . ++x MthW ksh ts N : (-EffortlessMath a or ee 3:: Simple Interest 3. Determine the simple interest for these loans. 1} $450 at 7% for 2 years. 5 6} $24,000 at 5.5% fo... . 8. Consider another Ricardian example, using standard Ricardian assumptions: Labor Hours per Labor Hours per Bottle of Wine Kilogram of Cheese

Vintland 1 5 'IO Moonited Republic 10 4 Vintland ha... The following two problems are about the residual vectors rk = b − Axk in the Steepest Descent Algorithm. See the steepest descent demo algorithm in the "Conjugate Gradient" notebook. (a) Verif... Express each of the following as a single trigonometric function. (4 marks) a) cos 2 y cos y - sin 2 y sin y b) sin 4x cos 3x - cos 4x sin 3x c) 2 sin 3x cos 3x d) 1 - 2 sin 3x 2 e) 1 - 1 - 3 p Find the measure of each angle to the nearest one decimal place. [3 marks] (a) tan A = 1.4071 A = (b) sin B = 0.25 (c) cos R = 0.9178 R = The table, shown to the right, lists trees that are Riverside Park Sleepy Hollow Park in two city parks. Dogwood, d Sycamore, s Cherry, c Birch, b Find the smallest universal set U that contains Pine... Panel : 1. Eduardo traveled for 3 hours yesterday. He ran 3 miles and then biked 12 miles. His biking speed is 6 mph faster than his running speed. What is his running speed? mph Preview You firms can control pollution with the following marginal costs of pollution reduction: MC1 = 28e1, MC2 = 112e2 where e, and e2 are, respectively, the amount of pollution reduced by the first and... Industrial Tape Specialists is a subsidiary company of SA Tape , based in Randburg South Africa , that manufactures Gaffer tapes and duct tapes. Gaffer tapes are used in industry and films during fi... The three cities that you choose to visit (one in Europe, one in Africa, and one in Asia) will most likely form a triangle. Do some research to find the distances between your cities, and calculat... Prove that the set of sequences Z = { (a0, a1, a2, ...) : a ∈ {0, 1} }, is uncountable Prove that (A ∩ B) − (A − B) = B using the theorems. Consider the following list of sets of numbers... Determined that There are 36 of them are students in a class and 15 of them are female .16 students enter the class and 6 of them are female or many male students are in the class No . Date (b) Smart Kitchen sells and two different sets of dinger during this CoVID-19 pandemic. The choice of dime sets ale Sep A for 3-4 4 persons and Set B , the total revenue R (x y) and the to... please help assignment 3 question 9 . Given the following 10-digit mini-IEEE floating point representation 1 0000 00001 What is the corresponding decimal value? Note: You must give the EXACT answer... 2) Ofinissez des v.a. X et Y qui sont normales (individuellement) mais telles que (X, Y) n'est pas un vecteur Gaussien. Est-ce que vos X et Y sont des v.a. non corr el ees ? Est-ce que elles sont i... Question 5 1 pts Compute the future value of an annuity in which quarterly payments (4 each year) of $130 are made for 18 years at an annual rate of 12%. Round your answer to the nearest dollar. P... A television game show offers contestants a chance to win cash by dropping a round disk into the top of a game board from position A to I. The disk falls through the maze to reach one of the nine s... college mathematics. Find the perimeter of the following triangle. Write your answer as a mixed number in simplest form. Be sure to include the correct unit in your answer. m by NIm X Consider A ∈ R n x n , orthonormal basis... Let ' be a ring with identity 1. Show that if... Consider the conic section x^2 + y^2 ... 1] where a 1 is the first column of A . What are the spark, mutual coherence, and RIP of A and A? ? Berikut ini merupakan informasi pada PT Acc Tasn 2020: Sediaan produk dalam proses, 31 Des 2020 50,000,000 Kos bahan baku 150,000,000 Kos tenaga kerj... John Mills—the proprietor of Mills Engine Company, a manufacturer of model airplane engines—finds that it takes x units of labor and y units of capital to produce f (x , y) units of the product,... In 5 poker, a royal flush is an ace, king , queen, jack and 10 , all of the same suit. How many ways are there to get a royal flush? Make sure to include the drawing to help you're explanation please. 8) (5 points) Using a real-life context (brownies, etc.), explain why dividing with fraction of an amount of money... Each of 75 employees... a Company produces three models of MP3 players, models A, B, and C. Each model requires 3.2 hours of electroni... Limit superior theorem. Theorem: 1. For any small > 0 , we can find an N such that n > N => In < lim supan +E. n0 0 2. For any small > 0, there are an infinite number of terms of... Please answer weekly ; where the any n > 1 be an integer and A = {1, . . . , n}, consider the graph with vertices V = P(A) & edges E = {{S, T} : |S \ T| = |T \ S| = 1} . What are the degrees of v... No Date (a) MEC 20 You are a manufacturer of computer desks. The total costs (in Rm'000) when x units of computer desk are produced is given by ? and C (X) = 12 *3 - 199 2 + 1080x Find the level o... Find the probability that a randomly chosen person is a vegetarian given that he likes broccoli. Find the probability that a random person... Given the following ... we know that the environmental bill. People Drive to work Walk to work Public Transit to work ... Please show all steps! Thank you very much!^^. Question 5 – 22 marks Let c A and let f(x) be a continuously differentiable function on the interval [a, b] with f(x) > 0 for all x E [a, b]. (a)... *20. A county has two elementary schools, both of which have an after-school program for the con- venience of working parents. In school A,) of the children attend the after-school program; in school... 1) How many pounds of 8-32-16 would you apply to your 20' by 40' vegetable garden to get the same rate as in number 1 (i.e. ... how many pounds of fertilizer would you measure out of the bag to spread ... Problem 1 (Is Thompson sampling always optimal?) 20 points Thompson sampling and UCB are two of the most popular algorithms for the multi-armed bandit problem. Both algorithms... Let Y be the set of all sequence... there... Problem... 1 Is this interval... 30 The... to... Let ... Using the principal branch of the log function, the imaginary part of (1 + i)^i is (a) 1/2 ln2 (b) π/4 (c) e^-π/4 ln √2 (d) e^-π/4 cos(ln √2) (e) none of these Question 2 Recall that in problem... from the tabulated data below... in the table to evaluate the formula for standard deviation. Recall that the values of f(x) are given in... show... 1 2 0.25 0.25 x 0.5... Question 5 Solve a ... find ... for the data. Simplify... ... Please assist... Let the Karush - Kuhn -Tucker conditions to find the optimal solution to the following problem: Minimize ... Monthly interest for June is $205. Rate is 13.5%. What is the principal?... Round to ... thanks alot!... Find the ... The... Which ... (5 points) HVAC The R-value of Blown fiberglass is 2.2 per inch of depth. The R-value of blown cellulose is 3.7 per inch. What is the total difference in the R-values of the two materials for 12 inches of blown... Show ... How do we go about this? 8. (a) Solve the wave equation in the infinite... both heading towards a fountain using two different paths. John walks West 14 m on the sidewalk then heads North to the fountain. Fred just takes the diagonal route which is 50m b... A forearm is flexed 28.8 degrees about the elbow in 0.712s. Given a forearm length of 35cm what is the angular velocity of the centre of mass of the forearm? If needed the centre of mass is locate... 2) (10 points) For the equation 1 + * I - * = 1 ... Write a simple word problem for the equation (using the word of multiplication as we have discussed in class) 10. Show and explain (with words!) how to... Solve the following problem ... in the number 84869, which digit is in the hundreds place ... 2. The number 9765, what is the value of the digit 7? ... 3. Which number represe... random integer? ... Write a method that generates and returns the two random points. You can add in more methods Upon executing of your program, the following output will be displayed on the monitor screen: Set 1 Gi... Assume now that the first principal component of x is cx = v'x where v is the optimal eigenvector. Also: Assume that the first principal component for y is cy = w'y, with optimal eigenvector w. Derive... Given the polynomial below, what is the least possible degree? Explain... Of the function... (i) ... Determine... If the ... Let the... f'... e ... The tensile ... Thompson sampling ... ready to purchase your first home. You find a house for sale for $165,000 in a new neighborhood. If you invest $1,500 twelve years ago at 6.5% interest compounded monthly, how much money do... 1.36. Find an orthogonal transformation that takes the quadratic form 1-s; - 2x - x3 + 8xyz, + 6x1x5 + 8.x1x2 into the form but with max? sub . 4y3 and determine up and uz (see Section 1.18). Since the preliminary estimate for p is known, the formula for n is n = p(1 - p)(z_{α/2}/E)^2. Use the critical value for a confidence level of 99% is z = 2.58. Confidence Interval Critica... Please show This question. For the following exercises, determine the limit (if it exists) by constructing a table of values for f(x) and examining left- and right-hand limits (where appropriate). 5. On the ... production and sales of two of its existing products, A and B. Sales of A in the month just ended were 8,400 units. It is planned to re... Answer the question. Show the correct comparisons to justify precision and accuracy. 5) Your true height is 70.4 inches. A tape measure that can be read to the nearest tenth of an inch gives your heig... Consider X P, and A1 Room. in the set of V = { x E R^3 : Ax = b } convex? Directions: Read and analyze the problems below. Show all necessary solutions. 1. A rectangular garden in a backyard has an area of (8x)... Question 5 (4 marks) Two formula to maximize and we use... Let f(x)... built by the s Federal Institute of Technology in Zurich. This little car with an empty weight and height of oo... These are my personal exercise, not a school assignment. I do not get credit for this class. Since I don't have Tutor to assist me, therefore I am here ask to instructions in doing this work. Probab... Suppose that you have a production function, Y(T)=2(0)^.7-1.572 where Y(t) is output and L is labor input. Assume that the production of this good occurs in a perfectly competitive market a... Based on statistics from a worldwide health organization, in 2005 there were 34.8 million people worldwide living with a certain disease, and 2.7 million deaths from the same disease. By 2015, the n... please show steps on how to solve the problem. 4. We study a surface patch on, y whose first fundamental form is du + dv2, so s is an isometry from the plane to a surface Let X = qu, Y,... En un ejercicio de anualidades y amortizaciones tengo que sacar una deuda en modelaste pagos mensuales durante un año sabiendo que el banco me da un interés del 36% anual convertible a cuatrimestres... Como lo convierto a trimes... Mrs. Cruz wants to provide for P 200,000 graduation gift for her daughter Trisha . She is now 16 years old, and she would like her to receive this on her 20th. She decides to an in... Week 4 – ALEKS Assessment 1 Question 8 of 20 (5 points) | Question Attempt: 1 of 1 Time Remaining: 3:30:24 Pat V 2 V 3 V 4 = 6 =7 C 8 9 10 11 12 13 Deshaun just bought a refrigerator for $632. He paid... Juan dela Cruz has developed a serious heart condition, and his physician has informed him that he has only two years to live. However, it is possible that Juan dela Cruz's life can be extended throug... Derive a general formula for the recurrence on = mud + f (mmm where f is a polynomial and a 3 constant. Lab #3 Close Date: Fri, Oct 8, 2021, 11:59 PM Question 4 of 10 Evaluate the following expressions: a. (3 + 4) - 4 + 6 = 0. (3 x 4 + 5)- 5 = - 5 0 SAVE PROGRESS 16°C Mostly cloudy. Lab #3 Close Dat... Ajax Corporation has hired Brad O'Brien as its new president. Terms included the company's agreeing to pay retirement benefits of $18,500 at the end of each semiannual period for 12 years. This will b... Question 6 (Bonus question) Assume that Cs is a closed convex cone in R^n and consider the problem: min 7Ify1)2 subject to 1y = c TEC. For mulate the dual problem and show that y is the project... (Mark) c) Use iteration method to guess an explicit formula for the recurrence relation Cost: (n ... 3 Cn-1 + 1 for all integers n 2 2 where initial condition, c1 = 1. (4 Marks) d) Determine whether th... Consider an experiment that generates... Consider the Fourier transform... Consider the... How... Consider ... Let... line (parameters) c, w , y ... that?... F... Solve ... Given v... What is ... the in... Use ... of the... We... Is the following... Does ... exhaustive... and... Let... Let X... a... Assume that there is a correlation ... 1. ... Please assist... Determine the number of... The... A polynomial ... Use and... In ... A ... t ... Compute ... Consider the Voigt ... Evaluate... ... Si ... Ten... A ... is commutative. L D E L L R mor D E L E L E L is the system commutative? What can you say about the sign of the eigenvalues for the SLP "y"(ty + 0)... a... Given a connected graph 1"(V, E) with |V| > 2, prove that there are at least two vertices x, y such that subgraph on the vertex sets V — {x}, V — {y} are connected. A= { 5, 9, 14, 17, 24, 43 } B= { A, 14, 17 } Is B a subset of A? Is A subset of B? How many numbers are in the set A? If the ... Please help me answer this question. Answer in 1 ... and is... The... give the following word problems involving quadratic equations. (5pts each) 1. The product of two numbers is 18 and their sum is 9. Find the numbers. 2. Mark and Ben can finish cleaning the b... (a) THE CARTESIAN COORDINATES OF THE FOLLOWING POINTS IN THE XY-PLANE ARE (x,y)=(-3.50m, -2.50m). find the polar coordinates of this point (magnitude and direction). (b) Convert (R, θ) =(5.00 m , 37) ... MATH 107B Business Mathematics GRASP Fall 2021. RED RIVER COLLEGE MATH-107B. G.R.A.S.P. Marketing Module 3 GOAL: To encourage students to apply learnings to a real-world scenario to illustrate the imp... 1. Sketch the graph of 5x - 2y < 20. Determine if (1, 5) is a solution of the inequality. 2. A furniture company makes tables and chairs. If x1 is the number of tables and x2 is the number of... PLEASE ALL WORKING OUT!!!. Select the solution: ... Find the absolute ... (xn) ... Show ... Consider ... Let A ... We consider ... (x) ... Show the ... Please ... gratitude to anybody who has assisted me with this task. III My my best to explain the task in detail below. Below is the instructions for what should... What about... Round your answer to... you help me this question clearly hand writing step by step please. Question 1: If the points (5, 3) is on the graph of an even function, what other point must also be on this graph? Explain why. 1... Solve the following system by Gaussian elimination: ... Next, a ... Please help with the question ... summary of the video. and how to use this strategy in the classroom. reference: Please provide Handwritten answer. (Y Ry R V 2 (1) = 3 ... Find all solutions of the given system of equations and check your answer graphically. 2... Use Gauss-Jordan row reduction to solve the given system of equations. (Enter your answers ... Do you know? (4 marks) a) y = 4x2 + x - 1 b) y= 3 (5x) c) y=5x+2 d) E. coli... Suppose that: f: R2 -> R2, f(1,8) = f4 (1, 3), and f(8) = f(1, 3)... Let … (... Which ... Please help me ... (k, l, y) } What is the cardinality of the Cartesian Product of A x B x C 0 (a 36 (0 6 0 c. 12 0 d. 8 0 e. 6 0 . K: N.... How many ways are there to select 12 countries in the United Nations to serve on a council if 2 is selected from a block of 56, 4 are selected from a block of 49 and the rest are selected from the remaining... ... Quick response if possible please!. Proposition 5. Suppose A has linearly independent rows. If the system Ax = b has exactly one solution, then that solution is a basic solution... Exercise 1) Throug... (25 marks) Use the Maximum Principle to solve the following dynamic optimization problem max (sum) ... Question 4. ... asimtot. Uji Komponen 2.3 1. Tentukan dan gambarkan asimtot datar dan tegak untuk ... 1 in ... represent in this situation? Number... Simplify using logarithmic laws then evaluate. Leave your final answer in fractional form. log3 (27, WH) + logs (125 , 45) [31 ome Quiz (optional) Per Which of the following integers are possible to represent using an 8-bit Bias-40 representation? (Choose all correct answers) 74 61 -57 439 90 For first photo: Transform the following equations into Logarithmic form and vice versa for 2nd photo: Ben works as a salesperson in an electronics store. He is entitled to a 7% commission of his first $10 000 of sales and 8¾% commission on sales above $10 000. The commission earned this month if... If 10 % of the students in the Cricket Elementary School who are eligible for free and reduced meals all choose to eat the school breakfast program, what income could be expected? 2. ... T... The letters a and y represent rectangular coordinates. Write the equation using polar coordinates (r, θ). x2 + y2 = 4x ... I'm in ... Please use ... Evaluate the following sums a. Zi=071 N d. Zi=o(1 min ohr). 9. This graph does not look like a standard window on the graphing calculator. Calculate the window settings... Standard window goes from -10 to +10 on both axes.) How would you change your window specifications to ma... The volume ... Which... of the ... question ... the ... cos (... value of 1000*e The range of the function y = f (x) 1 is {y| y > 0 } x ... Which of the following statements regarding the function f must always be true? a. The maximum value ... (Assume that... a*be A for all a, b e A. For example, Z is closed ... A class of 13 students takes a 20 items quiz of science 101. Their scores were are follows 11,11,13,14,18,19,9,6,4,1,2,2 A radioactive isotope has a half -life of 2 days. If the mass of the substance is initially 24 g, how much will remain after 6 days? Show your work. Question 13 (2 points) A laboratory has 256 mg of ra... A survey of 40 students at Mathletic Academy found that 27 students play sports and 20students 26students 20students play an instrument If 8 students in the survey do not play a sport and do not play an... (643) Use LAPLACE TRANSFORMS to solve the differential equation y = 4y" - 6y = 0 with initial conditions y(0) = 1, y'(0) = y'"(0) = 0 for constant w value? Suppose an Air force jet is ... Question 16 Use the Venn diagram to determine the set or cardinality. n(U)... Question 19 ... 2 … The volume of a ... Question 7 ... A ... in ... How ... The ... p ... Please... D ... (1 ... 3) ... 2 ... The ... bacterial ... culture ... Find ... contains 3 red and 2 black marbles. You select two marbles without replacement. What is the probability that the marble you choose is Red? Use the AND/OR ... One end of a light inextensible string is attached to a particle A of mass m kg. The other end of the string is attached to a second particle B of mass λ kg, where λ is a constant. Particle A is i... Please provide Handwritten answer. Let x = (X1, ..., Xn) ER'. On R2, the norms ||x||∞ = max {|x1|, ..., |xn|}, ||x||1 ... Show that ... Alex ... science display have a total of 44 leaves, 35 leaves, 34 leaves, or 26 leave... (10) Find the value of Xo: Xo = ... Describe the polar curve Ko: We consider the following initial value problem ... Solve ... The ... it develops a dollar ... 1) Give an exact ... the ... Given that ... (a) ... ... The ... (b) ... Please ... be ... Find P(1)=0,-4u... Constructing Sample Test Items. Identify the type of test item for each competency/outcome, then construct one sample test item for each competency/outcome. Complete the table below.(10pts) Learning Type of test Sa... Subject Name: Mathematics. Q. N. 2 Find the area of the region bounded by the two curves ITx = sin2y and x = cosy from y = 0 to y = k/3 First time I got 4n(3) but I wasn't sure so I tried ano... Please help me with the... Kindly solve ... Q ... 1 with e=2 and b=8 Hint : Use a proportion to. The ... a ... tan ... In ... for ... the Assignment Problem are binary (not continuous but integer, assuming only the value of 0 or 1), the assignment problem can be solved by ... URGENT PLEASE HELP SOLVE THIS WILL GIVE GOOD RATINGS. Given... positive integer... Let #a(w) return the number of a's in string "w". For instance, #a(abac) = 2 and #b(abac) = 2 ... Give a PDA that accepts ... Problem 14. (4 points) Determine if the statements are true or false. True ? 1. If S = span (u1, u2, u3), then dim(S) = 3. False ? 2. If the set of vectors {} spans a subspace S, then vectors can b... The table shows the number of students in utilizing different kinds of phones(units), this 1st semester of the school year 2021-2022 at STI, Puerto Princesa City. Are the average number of sta... e) 300 5. A car is on sale for $13,000. If the non-sale price of the car is $15,000, what is the percent discount on the sale? O a) 13% O b) 15% O c) 18% A-O d) 20% O e) 22% applied statistics. 7. A recent national survey found that high school students watched an average (Mean) of 6.8 videos per month with a population standard deviation of ... Every year, the ... the ... Question 1 ... the ... X + southeastern instructure. com/courses/92915/quizzes/375177/take/preview=1 D X Accessibility Report Settings Upload Choose a File D Question 2 10 p... pahelp pls. 4(x) n = x-X- 5 x + 2 1 (x) = x N + 10 2 X - 5 1 (x) = x2 - 3 x + 2 3 x2 - 6 x + 5 Os dados a seguir fornecem o peso de venda, pés quadrados, número de quartos e a idade de casas que foram vendidas em um bairro nos últimos meses. Ache o melhor modelo de regressão para p... What are the answers to these questions between ... 5. Use ... in ... Determine ... The ... At... sugar can be made out of 265 1 kg of sugar if each plastic would contain 1 2 kg ? a. 267 kg b. 118 1 kg C. 106 4 4 1 kg Demonstrate that the result of the t-th E-step of the EM algorithm, based on the lower bound given above, is given by the following expressions: 1-qin (12 = j) = t-1 for: j = 0 or 1 t-1 + 0il t-1... Please no need for explanation, kindly choose the correct answers only. I have limited time for answering the question thank you so ... change fractions to percent. CH ge the following fractions to percents. 1) 32 0.02 25 0.013 3.2 45 ... 19. 20 10 NITA convert the following decimals to percents. 25 ... Find the value of x. 36100 x = 150 0 x C I = 0 x . 5426 %) 0 . 54 26 %. ... Please provide Handwritten answer. Are formulas of the following form generally valid, satisfiable but not valid, or unsatisfiable? [(C ∀ΛE (∀E∧∃C))v (∀(¬LD))... ∃∀ [(¬VldE (∃x F(x ∧ (∀x ... ... Consider the statements ... Develop tenths D. three hundredths I don't know what to do. BIG IDEAS MATH Kevmatter Pattenrn #29 i Write the phrase as an expression. Then evaluate the expression when x = 5 . the sum of x number x and 4, divided by 3 Expression... Question 3 (8 marks) The water in the tank in the FIG. Q3 is pressurised by air, and the pressure is measured by an ... manometer. FIG. Q3 Oil Air T2 Water Mercury Convert (24.32) to base 10 and then from base 4 Result in base 10 Give exact value Answer: Truncate to two digits after radix ... Find the ... two ... Answer ... bersudut tegak. G D Debert AB = 1 cm dan DC = 8 cm, hitung i. Perimeter, dalam ... In this problem, we explore the effect on the standard deviation of adding the same constant to each data value in a data set. Consider the following data set. 14, 7, 5, 14, 17 (a) Use the defining fo... pleas answer the question with all the steps. there's a sample example is shown. 54 Find the value of A Find the value of C Find the value of... Historical development of it Application of it Use of it Historical development of it Application of it Historical development of it Application of it Use of it Use of it... a rectangular region Evaluate the integral of the function f(x, y) = xe^y over the region R = [0, 1] x [0, 2]... Please help me... Question ... the ... < 2, -2 < y <2) f(x, y) = 4 + (2 × 5)... Please help... Previous Next >>.. step by step solution. 13. Que intereses simple habra ganado una inversion de S/. 2,000 colocado del 3 de marzo al 28 de junio del mismo ano a una tasa mensual del 3%, la cual vario el 16 de abril al 2... I am requesting to help me with this one thank you. Enicrie the best answer and show your complete solution. 1. A paint supplier mixes a particular shade of green by using 3 parts, blue to 2 parts ye... Could you please help with this? I need help with the second part. On the second part, I need help with the 3rd question from the left. I will need the PMF function but i only need ... Divide Using Partial Quotients 68310 84294 6 x 1,000 8 x0 2310 4299 -6x303 8 x 500 510 299 8 x 30 30 69 5 x 7 6000 4000 240 6317 13 Divide Using Area Models 6... help me answer this. Do use the long method pls aaa. 3. Test the exactness of the following equation and solve for its general solution: exactly. (a). (t3 + t s2 - s)dt + s(3 + t2s - t)ds = 0 b. (cos 2y - ... business mathematics. Question 1 (1 point) Saved You purchased two items for a total of$70.56. The first item is $X and the second item is $X. Prove ... Please Help!!. 1. Let X1 and X2 be independent ... (X) = E(X) - ... and for ... of ... z = E(X) ... Y = ... X ... E(X1), E(X2) = ... E(X1) ... Let Z ... X1-X2. Prove ... Lets show all solution steps. ... 0 125 Consider the bivariate ... Show that ... C ... A ... (... the ... A ... of ... Explain your answer... Suppose you need to design a subway ... the ... Determine ... the ... network of ... in ... to ... it ... How ... Consider the ... The ... Ques ... are ... the ... help ... n-1-4 ... workshop ... the ... Workshops ... Assume ... pay. Finds ... Asia Auto Parts borrowed P80,000 at 9% simple interest rate for 5 years to enhance its display area. Find the interest and the maturity value of the loan. 2. Bart's Sound Back borrowed P600,000... Finding Theorem... 2.7 Show that the number of inequivalent binary codes of length n ... integral: IT /2 (8 + 4 cos x) dx (a) analytically; (b) a single application of the trapezoidal rule; (c) multiple-application trapezoida... Suppose P(E) = 8/19; P(F) = 9/... F and P(E ∪ F) = 65%. Find P(F). Can this really be a probability? If not, explain why not. 4. Suppose P(H) = 2/5; P(G and H) = 1/8; and P(G or H) = 3/4. Find P... how much should be invested in a trust fund for a 5year old child so that at age 18 the child will receive $22,000.00, at the annual interest rate of 6% compounded annually ... Cyclic graph ... ... that ... the A... A skydiver jumps out of a plane that's 50,000 feet above the ground. How high was the skydiver after 28 seconds After 25 seconds Please help me with this - Find all poles of x 4 + 1 ... Give your answers in the form a + bi where a , are real numbers. At each pole, find the order of the pole and the value of the residue, al... Identify the number with... to determine the correct Answer. 1. ... please help me ASAP. ... HHH ... . The number on the abacus is Pertanyaan : Y adalah himpunan semua fungsi fungsi real dari satu variabel . Didefinisikan penjumlahan (f + g) (x) = f (x) + g (x) dan perkalian skalar (X( )x) = ... , tn) untuk setiap [... e Y untuk ... is ... to ... the ... the correct answer below. O A. O B. A B A B C D C O C. O D. A B C A B D O E. Such a graph is not possible how to solve question C? thx so much. E. 3. The following table shows the solubility of substance X in water at different temperatures. Temperature of water in 20 60 100 Amount of substance X that diss... Melvin Indecision has difficulty deciding whether to put his savings in Mystic Bank or Four Rivers Bank. Mystic offers 20% interest compounded semiannually. Four Rivers offers 16% interest compounded... If the sum of the first 10th terms of the geometric sequence 8,16,32,64? I need help. A woman deposits $10,000 at the end of each year for 9 years in an account paying 6% interest compounded annually. (a) Find the final amount she will have on deposit. (b) Her brother-in-... Use induction to show that any integer amount greater than 5¢ can be made up of some combination of 3¢ and 5¢ coins. Prove that one of any five consecutive integers is divisible by 5... Math... Please ... A wardrobe is 202.8 cm tall, 96.0 cm wide, and 73.2 cm deep. What is the shape... show all working. Factorise the three expressions as fully as possible a) 3x + 15x b) 6x - 18x + 9 c) 3x - 12x + 4x - 16 Jim has 3/5 of a yard of string which he wishes to cut into pieces each a 1/15 of a yard long. How many pieces will he have? C. 38 [42+(-6)] + (15) + P5 PRE SHOW SOLUTION SO I CAN UNDERSTAND. For items 14 and 15, refer to the situation below. Gold-198 has a half-life of 2.7 days with a 96 g sample of gold-198. (4). Give an exponential function that ... Let r, t... 3) Hence ... Find ... is ... infants and young children. There is a grow... Let f(x) 1 2x2 −4p(t + (p2 + 1p + 2t, and p3 = 2 + 5t + t2. If the roots of equation f(x) ... 1D of degree ... Shade ... The formula... 1 Express... and make your partition. S = {1, 2, 3, 4, 5, 6, 7, 8, 9} Submit your answer after. 5 sets of partition name them A, B, and C. i 5pts. Please provide Handwritten answer. 1) x2(dy/dx)... Evaluate the following... Q ... a / x = 0 ... is ... e ... Consider the ... b... Show ... the ... of ... Please ... View Report to Last Response 2. [-/0.5 Points] D... (20 points) Consider the vote count for the hypothetical election results shown below. Candidate A 50 votes Candidate B 75 votes Candidate C 160 votes Candidate D 160 votes Candidate E 10 votes Candid... Para las siguientes funciones, calcule las derivadas parciales que se indican a continuación, recuerde simplificar al máximo el resultado: ... calcule ... e ... Is ... x2y ... Pat ... thanks ... cos ... Is ... the ... Let f... on (... They called your at... Please provide Handwritten answer. 2. Let o(x) = [x] for [−7, 7]. (a) Find the Fourier series for o(x). (b) If we approximate the function o(x) by f(x) = a0 + ai cosx + bi sin x + a2 cos 2x + b2 sin 2x... Help 9. Starting with the generic linear system of ODEs, du dt = Au, u(to) = Ro show how to adapt the backward Euler method to develop a numerical solution to this system. Steffe's Production... The daily production possibilities for the two products, Steffe's Production Possibilities between Socks and Gloves. Summary Table 5 Socks Gloves Time Attempts school 100 windows. On a cool Ti... Show that ... represents how many of the windows were open? A 0.05 C 0.50 B 0.5 D 0.95 O A. 0.05 O B. 0.5 ... Consider A (Rx", orthonormal. Now, consider the matrix A = [A, al], where a, is the first column of A. What are the spark, mutual coherence and RIP of A and A? Part 1. Be sure to clearly show all of your steps to each solution. You are planning to purchase a house that will probably need renovations. You will have a $350,000 mortgage for 30 years at t... Your client most recently provided you ... information of ... Your daily requirement for these items on the average day is as follows: calories, calcium, vitamin A, riboflavin, and ascorbic acid. Your daily requirement for these items on the average day... Let f be a ... Please provide Handwritten answer. Let E be any tolerance... Define an element 8 in FX is called totally positive if it is positive with respect to all orderings on F, i.e., θ E F ... if ... let u = 3·1 j = 2 k , u = 6i - ... + 9 k and c= 6, ... k Compute dx (oxe) and (dxB) xO The answer and explain. SISWA/I GENAP 1. Nilai x yang memenuhi cos 3x cos 3x = 0 For which interval(s) is the inequality x- 3>_6 true ? x-2 a) -0<x<0 or 2<x<5 b) 0<x<5 c)x<oor x>5 d) 0<x<2 orx>5 Find the Laurent's series expansion for f (z) = (z-1)(z+2) (2+1) (2+4) in powers of z in the region 1 S z s 4. Automotive Trades A cylinder is normally 318 in. in diameter. It is rebored 0.040 in. larger. What is the size of the rebored cylinder? (Give your answer in decimal form.) Round your answer to the nearest tenth. Round dollar amounts to the nearest cent. 12 seedless watermelons can you buy for $5.70? Pls kindly just select the right answers, no need for explanation. I'm time limited. Save For a 17)5 5 at 2 – 1 / 125 Q – 1 6 – 6 / 7 0 5 (@ 4 Simplify 216 by 12 0 3 6 (@) /4 3 2 $ what is q . 9 W .... kindly solve it as soon as possible. (20 pts) Prove that any f: {-1,+1}" – {-1,+1} has at most one Fourier coefficient with magnitude exceeding 1/2. business mathematics. A retailer was charged the suggested retail price of $0.90 per item. less a discount of 3/8 of the suggested retail price, by the manufacturer. The retailer returned 2700 defecti... Application of 1st Order, 1st Degree: Decomposition and Growth Bacteria in a certain culture increase at the rate proportional to the number of bacteria present. If the original number increases by 50... Need help solving these questions please . Find an equation of the line tangent to the graph of f(x) = (4x – 7)(x + 6) at (2,8). The equation of the line tangent to the graph of f(x) = (4x – 7)(x ... Sir i am stuck for this question . 4. [1.67/2 Points] DETAILS PREVIOUS ANSWERS JMODD8 1.2.007. Using the symbolic representations given below, express the following compound statements in symbolic fo... Convert the following numbers into scientific notation: 1) 923 = 2) 0.00425 = 3) 4523000 = 4) 0.94300 = 5) 6750. = 6) 92.03 = 7) 7.80 = 8) 0.00000032 = Convert the following numbers in... Choose the numbers below that are rational . There may be more than one. 22/7 √5 √4 0 π √(-4) Homework Problems: Problem 1. Use residues to calculate the Cauchy Principal Value of each of the following integrals. dx dx .OO dx (a) (x2 + 1)2 dax; (c) dx. x2 + 2x + 1 – 0o x2 + 2x + 2 The winter occupancy rate in a 600-room hotel was 52%, calculate how many rooms are occupied in the summer, if the summer occupancy rate is 13%higher than in winter. Can you help me this question clearly hand writing step by step please. Question 4. Find all solutions of the equation cos(2x) – . 3. Let's define CDF (U; P) = p (v) dv. Assume for now that v is not equal to any of the vj. Can you explain why CDF (v; p) is the probability that, given a random uniformly drawn patient, that the... Question 5: Verilog Short Answer (7 Marks) What are the bits in S after the following assignment? (1 mark) reg [6:0] S = 42; Create an instance of module myModule (output Z, input X, input Y); called... Let M=2·3·5·7+11·13·17·19. Without multiplying, show that none of the primes less than or equal to 19 divides M. . Q1 – Sum to n terms For each series find the term required and the sum of the terms. 2 + 6 + 18 + 54 + 6th term [2] 39 5 + 20 + 80 + 320 + 8th term S9 [2] Write each series using sigma notation an... Help needed with this graph. Graph: + 1 5 -4 -3 -0 4 Clear All Draw: Question 12 Consider the following Binomial Experiment: The probability that a cell phone manufactured at Electronics Unlimited is defective is 0.12. If a sample of 8 cell phones is selected at random... You are a fund manager in ABC asset management and you wish to invest in two different funds. Fund A is a stock fund and fund B is comprised of long-term government and corporate bond. The expected... 1 hou Coment attribution QUESTION 7 . 1 POINT Billy has $50 in his savings account and saves $5 each additional month. Write an equation to model this situation. Provide your answer below: y Content a... . Consider the following linear program: 3r1 + 12 4 min {{1 - 3 2} subject to 201 – 512 IV IVIA 3 Convert this linear program into standard maximization form. Give the matrices c, x, A, b. I have 30 min to solve this ??. Question Completion Status: QUESTION 9 1 points Save A patient with an esophagostomy tube must receive 200 kcal daily. A 12-oz can of the prescribed diet has 1200... Solve 1 and 2 please!!. PART D: THINKING (Show all your work and calculations.) 1. Solve for x. Final answer to 2 decimal places 25(125)"?= (625)- [4] 2. Solve the system of equations for x and y... 4, Cobb-Douglas Model: A cellular phone company has the following productivity «.3 0.7 y function p(x,y) = 60): , where x = units of labor and y = units of capital. Find (report each answer to the ne... The elements are included without there being a previously specified or known probability that they will be incorporated into the sample. which answer is correct (type of sampling): random, systematic... What is the law of large numbers? As the sample size decreases, the relative frequency of outcomes gets closer to the theoretical probability of the outcome, O As the sample size increases, the cumula... a) Your Communications division manufactures wireless dongles for use in general computing. These dongles have a maximum allowed radiative power of +20dBm. A random sample of ten dongles was taken, an... Use RPM to multiply 15H 23] 2. Write 124 as a sum of powers of 2 3 Is 25,35? divisible by 9 ? 4. Calculate: 5. Find absolute and relative error in writing 6. Give the ECG of 45 8: ES a} 90 DIV 12 I... Make a shopping list that includes the total ingredients necessary for Davonna and Jerry's cookies. Davonna needs: 2 ½ c butter 5 c sugar 10 eggs 7 1/2 tsp vanilla 6 1/4 c flour 11 1/4 tsp salt 12 ... Please help me to create a roller coaster that using all functions listed above. The starting and ending must be horizontal and 5m above the ground and can be 10-15 meters long to load people.. Contex... Evaporación Experimentos indican que una sustancia porosa húmeda a la intemperie pierde su humedad a una razón proporcional al contenido de humedad. Si una sábana tendida en el exterior pierde la ... In this question, you are asked to comment on a student's incorrect attempt at answering the question detailed below. (a) The student has made a mistake in both parts of their attempt. Identify these ... Please explain how to do this The number of "big box" retail stores has increased nationwide in recent years. The following table shows the number of existing big box retail stores and the median home... 5) (4 points) If you are told the population of a country is 3,500,000 what would you expect are the range of possibilities are for what the exact population is. Explain why your answer is mathematica... GIven y'=0.5.. y(0)=1. y(0.1)= 1.0025, v(0.2)=1.0101. y(0.3) = 1.0228.Obtain the value of v(0.4) using Adam's Bashforth fomula. One serving of SnackOs is WIN of a cup. Jane wants to eat , of a serving of SnackOs. What fraction of a cup of SnackOs should Jane eat? a. Make math drawings to help you solve this problem. Explai... Hi, I need help with this assignment please. Divide Using Area Models 75 75 + 5 = ? -50 25 ? ? 27 -27 5 0 25 87 : 3 = -25 ? O ? ? 87 60 3 umZO 27 15 29 (10 points) Evaluate SJ, F . dS, where F (x, y, z) = (y2, z2, x2) and S is the surface defined by z = 1 – y2 for 0 < x < 2, 0 < y< 1, with upward orientation. Sebuah pesta reuni dihadiri oleh 101 pasangalumni yang datang bersama, serta 100 alumniyang datang sendiri. Semua hadirin di pestatersebut saling bersalaman dengan hadirin yanglainnya. Jika tiap alumn... Complete the proof of Theorem 1 (Case II) shows below. . Theorem 1 (NAP) implies a > "r > 01'. Proof. Begin by noticing that if a" > u > til, then the safe asset's... The marginal cost function for a particular item produced by the Acme Roadrunner Roundup Corporation is given as C ′(x) = 0.14 x 2 −.6 x 1+20, where x = number of units produced. a. Use a Ri... Help please.. 1. Determine the number of terms in each expansion (don't actually expand it) a) (X + 3/11 b) (3a + b)16 c) (1-3x)9 2. Consider (x + y)15 a) Do the expansion b) What is true about... Question 13 Needs Grading The data in the fertil2 table were collected on a large sample (17 = 4361) of women living in the Republic of Botswana in 1988. The variable children, refers to the number of... Compute the Gross Profit Answer the given problem. 1. Annie bought one dozen smartphones for P200,000.00 with a discount of 5%. She sold half dozen at a price of P18,000.00 per unit. However, a new mo... The thickness of four parts is measured to the nearest thousandths of an inch. The values recorded are the numbers of the thousandths by which each part exceeds the minimum specification value 0.300 i... Please help answer the questions below by showing all work/processes. . 1. State the y-intercepts of the quadratic function f (x) = x* + x -7. 2. State the y-intercept of the quadratic function f... Decide whether the following partial orders is a total order or not using directed graphs. If it is not a total order, give two elements that are not comparable. . (a, b) | a divides b, 2 < a &l... Teresa Granger is the manager of Chicago Cheese, which produces cheese spreads and other cheese-related products. E-Z Spread Cheese is a product that has always been popular. The probability of sales,... Sir i am stuck for this question. Question no 5: Consider the following linear optimization problem: Minimize f (X1, X2, X3) = 2×1 – X2 + 3×2 subjects to the constraints: X1 – 2×2 + 3×3 > 2 (1 + 2x... Page 204, #46 River Raft Adventures pays its manager, Kathryn Speers, a monthly salary of $2880 plus a commission of 0.8% based on total monthly sales volume. In May, River Raft Adventures has total s... Please help me revise my way of answering this question ...I couldn't find any ways on how to revise my answer ...I already have my answer on question number 3: Question: Is there any difference ... 4.- Hallar AB n+ 5n 25 2 a+b 2a A = 3m + 4m B a-b a+b 2 b 4 m + 3m Let X1, X2, X3, X4 be a random sample of size 4 from a gamma distribution with parameters a = 3 and B = 0, and let Y = Zi=1 a. Find the distribution of Y b. Is Y an unbiased estimator of 0. c. Find th... An oil barrel contains 5.9 gallons of oil. One gallon is equal to 3.8 L. How many liters of oil are in the barrel? Round your answer to the nearest tenth. please answer the following question below. Triangle ABC is translated 5 write to the right and 4 units up to create triangle A'B'C. 26 G 60 C What h the menure of 2 Br 28 15 degrees A pharmaceutical company is testing their brand of Vitamins: A, B, and C. Each type of vitamin has been labeled with a number {1,2,3} for anonymous testing so that three versions of each vitamin type ... Sir i am stuck for this question . I have a progression that i need help with. it is a simple problem where you add the amount per bet on loss and decrease a little when win. I have a couple sm... QUESTION 9 . 1 POINT Ronald is taking a road trip. After 2 hours he has covered 90 miles and after 5 hours he has covered 225 miles. a. Write a linear model and b. use this model to predict the number... Directions: Identify 2 Math AT tools (low, mid, or high tech) that can support students with math disabilities? Then, post the link to each tool (or a link to where one could purchase the tools) Fi... . Given the functions fix}- .— 3" and gig} — 3 — .1: and his} w :2 — 3 what composition of functions would result in the following: [:J a] y = 33—3: C] b) y 2 3ng [3:33.23sz help me, please. 2). Prove that if both y and z are solutions to x = /x, then for any cc, the function ary + ezz is also a solution to x – Ax. .. Question To Of 20 This question: 1 point(s) possible Determine a spanning tree for the graph to the right A B C D. F G ..... K N Which of the following is a spanning tree for the given graph? O ... Coding Theorem: Error correction code:. 2.8 Show that A2(8, 5) =4 and that, up to equivalence, there is just one binary (8, 4, 5)-code. it cost Laura p18 to make a face mask and p30 to make an improvised face shield. if she intends to make 5 pieces of face mask, how many pieces of face shield can she make if the total amount of produc... For the statement below, write the statement symbolically using parentheses and determine whether it is a negation, conjunction, disjun biconditional. Statement: The bus is late if and only if it is n... We all dream of winning big, becoming an instant millionaire; but how likely is that? Let's say we decide to pursue our goal of winning big money by going to a casino and continually playing what we t... Un árbol de acero St-42 se mecaniza con una velocidad de 25 m/min y 2 mm de avance para una profundidad de corte de viruta de 4 mm. La presión es de 1500 N/mm². Calcule la potencia de corte en Kw ?... How many ways are there to list 1, 2, 3, 4, 5, 6 in a row if 1 must not appear between 3 and 5? (not strictly between 3 and 5 like 324156, 321546, etc. also count as 1 being in between 3 and 5) Solve the systems of inequalities graphically, state if the feasible region is bounded or unbounded, and determine the corner points. 1.1 3x – y ≤ 6 3x + y ≤ 9 x, y ≥ 0 1.2 3x – 6... #1 D is ______ degrees,#2 C is _____ degrees #3 segment DC is ______ units long, #4 segment AD is _____ units long. 130 50" B 6 The percentage of movie advertising as a share of newspapers' total advertising revenue from 1995 to 2004 could be approximated by p(t) = −0.08t + 6.0 if t ≤ 4 0.3t + 11.0 if t ... A manufacturer knows that their items have a normally distributed lifespan, with a mean of 4.3 years, and standard deviation of 0.5 years. If you randomly purchase one item, what is the probability... Consider ten customers leaving a bookstore. The clerk in the bookstore says that they sold a total of five Perl programming books and three C programming books to these ten customers. You are also tol... Solve the following problem.. Prove the identity: n kc(n, k) = n! . 1 + + +... + – n k=1 A car repair shop specialises in exhaust pipe replacement. Every year it costs $27,600 to rent the shop and maintain their equipment and $60,000 to pay their employees. For every exhaust pipe replaced... Explain at least two strategies you use when you approach an application mathematics problem (or a word problem that has context). Include any key words that might you look for. Remember to respond to... Question 2: Consider the following linear optimization problem: max —:B1 +2332 —:173 subject to 3:1 + $2 + 33 S 10 23:1 — 3:2 2 —4 3:;- 2 0, = 1,2,3. Q2.a Bring the problem to a standard form.... 24.11 Worldwide, glaucoma is the second leading cause of vision loss. High intraocular pressure (pressure inside the eye) almost always accompanies vision loss. It is hypothesized that elevated pressu... Mr. And Mrs. Belal want to start saving for their retirement. Their savings account has an annual interest rate of 6.8%, compounded semi-annually. They plan to deposit $1400 into an account every?... We consider Jacobi iterations for the system of linear equations starting from the initial guess 7T x (0) = Do the Jacobi iterations converge to the solution of the system of linear equations? please assist. 1. Create a simulation to represent the following situations: a. At a horse track, Victory the Horse, has a 40% chance of winning the next 4 races. What is the probability of Victory th... Question 1 The population of your hometown can be modeled by the equation where t represents the number of years since 2000. What was the population of your hometown in 2000? By what percent di... company produced 1672 jeans in one day working two shifts. The second shift produced 50 jeans fewer than five-halves of the number of jeans produced by the first shift. Determine the number of jeans p... Show that 1+1/2+1/3+...+1/n =O(Inn) using approximation by integrals. For a list of common integrals, see https : //en . wikipedia.org/wiki/Lists of_integrals. 2) Construct a proof of the following argument. 5 1 NA ACP 1 (~R – E) – ~C 2 (H – G) VC 3 A v (E VR) 4 (~ G – ~ H) – ~ D A –(C . ~ D) ~C ~ C. ~D conj VAJ (~ C. ~D) CP please zoom question 1 up to see x3 – 2×2 + x 2×2 – 5x – 3 lim 4 . x – 3 the x2 – 1 question x4 – 16 5 . clearly 2. ex – 1 lim X-2 x – 2 Vx+ 6 – x ex – ex lim 3 . lim 6 x – 3 evaluate the following Li... Example: A car is moving with an initial velocitv of 5 rm" s [W]. The car speeds up with a oonstant acceleration of 2 ms2 [W] for T s. The car then continues with a oonstant velocity for 4 s. a] ... I am struggling with these questions. Please help me, thank you so much! . 1. Create a function where you need to use both and quotient rule and chain rule in to take the derivative. Take the deriva... . Fill in the missing values to make the equations true. (a) log 3 + log 7 = log X 5 (b) log, 9 – log- = 10g7 (c) 1098 25 = log, 5 Un laboratorio de análisis químicos compra una centrífuga en 3,100 dólares que se pagarán de la siguiente manera:**1) sin enganche*2) 4 pagos quincenales iguales*3) 1,000 dólares que se entregar... [1/7 Points] DETAILS PREVIOUS ANSWERS SOWRECMATH3 9.2.013. MY NOTES ASK YOUR TEACHER PRACTICE ANOTHER Car A started out with a full tank of gas (12 gallons) and traveled 262 miles before running o... Let A = (a) Find the Jordan form, B of A and the matrix P such that B = P-AP. (b) Let z = (w, z)". Find the solution of z'(t) = Bz, z(0) = zo. Hence sketch the phase portrait of z'(t) = Bz. (c) U... Maths. Question 3 [6 points] JenCo is offering its preferred customers a 25% discount on its most popular product normally listed at $49.75 each. a) What is the net price of each product to JenCo's pr... Question 18 6 pt Food cost rate (FCR) is determined by dividing the cost of the food at purchase by the cost of the menu item to the customer. Price AP FCR – Price on menu This value represents the am... Cessna 172 is in steady altitude ascend. At the instant it reaches a pressure altitude of 1.8 statute miles, the vertical speed indicator measures the airplane's rate of climb at 6 knots. At the same ... On day one of a road trip, John uses exactly 10 gallons of gas, and on the second day, he uses exactly 17 gallons of gas. Every day after that, the amount of gas he uses is the average of what he used... please solve this question . Section 16.1 Follow-up Exercises For each of the following functions, (a) determine whether / is increasing or decreasing at x – 1. Determine the values of x for which ... I need help. A. * Points: 0 of 1 save Find the interest rate needed for the sinking fund to reach the required amount. Assume that the compounding period is the same as the payment period. $16,836 to ... Bob is buying a house. He is borrowing $180,000 for 25 years at 4% compounded monthly. Find his monthly payment. For the remining question, using only the numbers 0, 1, 2, 3, 4, 5, 6, find the number of possibilities in each category. The number of odd three digit numbers. Compute the 3-year future value of a $3,815 deposit into an account whose annual rate is 1.2% with continuous compounding. Linear inequalities come in one of the following basic forms: a < x < b x < b x > a x < a or x > b Note: The "<" (less than) can be replaced with "≤" (equal to or less than), an... You take Mrs. Daniels' itemized bill down to the sales floor and find the model of shades she purchased. You conclude that Mrs. Daniels' home must have large bathroom windows because the only size t... Your favorite team is in the World Series. You have assigned a probability of 63% that they will win the championship. Past records indicate that when teams win the championship, they win the first ga... The low temperature during a 5 day period were . -20 15 20 SOL WebAssign. NumberLine @Help Need Help? Read It Watch It 16. [-/0.72 Points] DETAILS LARPMPT1 8.3.033. 0/100 Submissions Used The low tem... in your own opinion, is mathematics invented or discovered? QUESTION 19 . 1 POINT Consider the number: 354,981,027 What digit is in the ten millions place? Provide your answer below: A cylindrical tank contains 829 liters of solution, with 56 kg of solute A dissolved in it. A mixture that consists of 0.015625 kg of solute A per liter is pumped into the tank at a rate of 13 liters ... What are the critical topics you are still struggling with? How are you going to improve your knowledge in these topics prior to your final? After you have identified the essential topics, what would ... Part c question 1. 1. For what value of m will the polynomial f(x) = 3×3 + mx2 – 5x + 1 have the same remainder when it is divided by (x + 2) and by (x – 1)? (5 marks) Suppose the table gives the average price of a four-function calculator from 1972 to 1980. Years Calculator Cost Since 1972 (dollars) t C 0 150 1 132 2 110 3 85 4 62 5 42 6 27 7 17 8 10 Use logistic r... maximize :51 + 2:52 + 31:3 + 4:54 + 5 subject to the constraints, 4331 + 3:132 + 2113 + .134 S 10 $1 — £133 + 21124 = 2 $1 + :52 + $3 + 174 > 1, 1'12 0,333 Z 0,154 2 0- Convert the problem into ... Please see attachement. An object is acted on by two forces, 10 i + 3 j and 5 i – 3 j (with magnitudes in newtons). The object has an acceleration of 2 ms in the direction of the resultant force. What... Pls kindly choose ONLY the correct answers, no need for explanation. I'm time conscious thanks. I S in p 2 0. 57 – Determine obtuse < P. 2 100 degrees) 35 degrees (@) 145 degrees so degrees 2 CO... Is it possible for the Fibonacci sequence to have negative numbers as the given first two terms? Evaluate without using a calculator (show your work – no marks will be given otherwise): log(2V128) + log27 V243 [KU /3] A statement is given below, and an erroneous proof is provided. Clearly state the fundamental error in the argument and explain why it is an error. (Note that the statement is false, but this is ir... please help. Question 2 be prison is The base of a prism is a right angle 10cm long 2.1 Complete the sketch by correctly filling in the dienen 2.2 Calculate the volume of the prism. Use the form I'm having trouble with a linear second-order recurrence relation for both the general and the particular: X(n) – 3X(n-1) + X(n-2) = 3 for n >1 x(0) = 0, X(1) = 1 5) (10 points) Using the chip model, explain (use words!) why a negative number times a negative number will always give you a positive. 29:01 0/8 QUESTION 3 1 POINT Sally has been monitoring her weight. In 2016 she weighed 200.6 pounds and in 2017 she weighed 165.8 pounds. Calculate the absolute and relative change in Sally's weight f... I'm stuck on this question and I need help. X y -4 -3 y-intercept (b) -2 0 3 2 6 I need help. Find the amount of each payment to be made into a sinking fund earning 7% compounded monthly to accumulate $21,000 over 9 years. Payments are made at the end of each period. The payment s... Management of a large construction in underwood, Queensland is concerned about the amount of time the company's trucks are idle, waiting to be unloaded. Presently the site operates with 4 unloading ba... Can you assist with this question? Can you teach me? Progress: The movement of the progress bar may be uneven because questions can be worth more or less (including zero) depending on your answer. Identify the percent, amount, and base in this problem. ... can you help me solve this??. Activity 3.2: Do I Satisfy You? Directions: Determine whether the following points is a solution "- 2x – 3 or not. Justify your answer. 1. A (0,0) 6. F (3.6) 2. 8 (1... (a) This problem deals with the fooling argument to show that the language NPAL = { wl w is not a palindrome over the alphabet {0. 1}}. Exhibit an infinite set of strings wi, Wa, ... W.. ... and fo... According to Figure, which summarizes the values of the residuals after a regression of the number of teachers on total enrollment, what is the mean value of the residuals? 2. If the residuals h... please answer. A $10,000 bond with a coupon rate of 5% is redeemable in twenty years. i. Calculate the purchase price when the yield rate is 5% compounded semi annually. (1 mark) ii. Calculate the pur... (c) no. answer. Toss sect Mensuration height is 15 (A lidless rectangular water tank made of zinc plates is 2 m long, 1.5 m broad and of length 10 cm is 48 cm. Fine 1 m high. (i) How many square metr... What is the difference between ṁ(V2-V1)=0 and Fx+p1A1-p2A2=ṁ(V2-V1) What is Fibonacci and what did he do? 2. Why did Fibonacci become famous? Il. Given: Solve x(t) & y(t) (with x & y dimensionless, radians) IF dx/dt = f(x,y,t) = cos(x x) + sin(xy) & dy/dt = g(x,y,t) = sin(x x) – cos(my) With initial conditions at to = 0, x(0) = ... Juan collected data on the colours of cars passing his school for ten minutes each hour each day for five days. The data he collected is known as which of the following? Objective: The objective of this study was to determine which projects a hospital corporation could add to their portfolio for the next fiscal year while staying within a $950,000 budget. The hospi... 2 18ft long hallways needs posters on each side that are 2 ft wide and 6 ft apart how many posters will i need Which is the best investment if the money in each case is invested for three years? a. $5000 at 8%/a, compounded monthly b. $5000 at 8.2%/a, compounded annually c. $5000 at 8.1%/a, compounded semia... Write a formula for the function g(x) obtained when the graph of f(x)=|x| is shifted down 9 units and to the right 14 units. Hint: You have a choice of two ways to enter your absolute value... Due to COVID restrictions, final exams are currently administered online. For exams that do not use invigilation software there has been an increase in reports of potential collusion between students ... Let E be the 3 x 3 elementary matrix that encodes R1 <> R3, F be the 3 x 3 elementary matrix that encodes 1.5R3 – R3, and G be the 3 x 3 elementary matrix that encodes R2 – 5R3 – R2. (a) [4 p... Please help me with 1-10 THANK YOU SO MUCH!. Sequence Tables Complete the missing information in the sequence table 1. 2. Dogs 1 2 3 4 5 Teachers 5 6 7 Legs 4 8 12 Students 95 114 133 Common Differenc... hello, I need help answering the following questions. B. Use the orthographic mats provided below to construct the solids. Draw the isometric views of the building when view from the front right corne... Determine la utilidad de una empresa que produce y vende 740 unidades de un artículo. Sabiendo que el gasto fijo es de $19,500, los costos de fabricación de cada artículo ascienden a $84 mientra... Answer the question. 6. Think about currencies used in countries you are familiar with. What is the conversion fact between the two currencies? Give two more examples. One example: 1 USD to CNY = 6.47... Simple Discrete Math Question Answer multiple choice Suppose the heights of 10-year-old girls are Normally distributed with mean μ=54.8μ=54.8 inches and σ=2.8σ=2.8 inches. (They aren't; I made these numbers up.) Draw (or have a computer generate) a ... Let X={a,b,c} and Y={1,2}, list the elements in each set. 1) X × Y 2) Y × Y Probability Extra Credit: Problem 3 (1 point) A five-card poker hand is dealt at random from a standard 52-card deck. Note the total number of possible hands is C(52,5)=2,598,960. Find the probabiliti... Evaluate the algebraic expression. F Learning Task 2: A. Evaluate the algebraic expressions Let a = 4, b = -5, c = 0.6 , x = -3, y = 0.4; z=3 Algebraic Expression Value Algebraic Expression Value 1. 3... A net in X is a function of the form f: A -> X where A is some directed set. A directed set is a non-empty set A together with a pre-order. Let X be a topological space. Prove that a subset A ?... Part 1 of 4 Points: 0 of 1 Four beneficiaries are to divide an estate of $189,000 in the ratio w / – 4 How much should each receive? 8 24 The first beneficiary should receive $ (Simplify your answer.) Thanks for helping this. Question Let f(X1, X2, X3) = 3×7 – 3×3 -12×12 + 120203. (1) Find a symmetric 3 x 3 matrix A such that 1 f(x1, X2, 23) = (21 12 23) A 20 2 (2) Find the eigenvalues of A. (3) Fi... Acme Nails made 55,672 nails last year. The Jones Company made more nails than Acme did. Which could be the number of nails made by the Jones Company? Solve at 22 0sxsl , with u(x, 0) – sin(3/x), Oxxs] and u(0,t) = u(1,t) =0, Vr > 0 using Schmidt explicit method with h= = k= 1 Compute for two 64 time levels. Please solve this math. Jerry Vong signed a two-year student loan of $10,200.00 at 7.49% simple interest per annum. How much does Jerry owe at maturity? (Do not include the $ sign in your answer.) 20|30 60 70 90 10 ian A Click Submit to complete this assessment. Question 10 Fill in the required information in the blanks below: A. Simple Interest: Formula | =P x R x T Principal Rate (%) Time Int... Show solutions. 2. A veterinary assistant's gross income per year is $27,461.00. After a raise, her gross yearly salary increases to $28,284.83. What is the percentage increase in her raise? a. 1% b. ... Sketch the graph of the logarithmic function State the equation of the asymptote. y=log2 -2(x-3) +2. [5] Can you answer this question for me?. Ox – /y + 52 Solve: 5X E y -4x – y O (-7, -15, 11) O (-4, 7, -8) O (8, 10, 11) O (-13, 15, -11) 5. O None of the above The graph of a periodic function f is shown below. a. What is the period of f? _- b. What is the minimum value of fie)? —«- c. What is the maximum value of f(6)? —«- d. What is the midline for ... Students also use arrays to find products of multi-digit multiplications. Partition each of the following 5 by 26 arrays in a different way. Draw horizontal and/or vertical lines to divide each arr... Corinne's goal is to have $32,500 to start a new cake decorating business when she retires in 15 years. How much should she invest now in a CD that pays 4.55% interest compounded quarterly to reach he... You are promised R10,000 a year for six years after which you will receive RM5,000 a year for six years. If you can earn 8 percent annually, what is the present value of this stream of payments? 17) Consider the baby being weighed in Figure 4.25. (a) What is the mass of the child and basket if a scale reading of 103 N is observed? _______________ kg (b) What is the tension T in the cord ... COPY AND PASTE THE LINK and answer the all the questions given: there are 3 questions to please label and show your work. In a class of 180 students, 110 takes English, 88 takes Math, 65 takes French. 40 students take both English and Math, 38 students take Math only. Draw a Venn Diagram to show the number of students wh... , Let 1"(V,E) be a graph and for each v E V, let av be the number of edges e E E such that e has an endpoint at v. Further assume no edge e E E has equal initial and terminal points. Given v E V ... The fuel load in a large room consists of the polyurethane foam-filled sofas and chairs shown in the picture. The ceiling is sufficiently high, and there are no fire suppression systems. The peak HRR ... permintaan dan penawaran. 2. Perhatikan skedul permintaan dan penawaran sebuah produk pada dua tingkat harga yang berbeda tabel berikut: Harga (P) Jumlah yang Jumlah yang diminta ditawarkan konsumen (... Solve using the method of variation of parameters. Solve using the variation of parameters dBy/dx3 + dy/dx =1/Sqr(1-cos-x) ¿cual es la diferencia entre un grafico, histograma y lineas de tendencias? We have a road network consisting of one-way streets. There are a few proposals for a new one-way road to be built. You want to vote for the proposal that would result in the shortest distance betwe... Please provide Handwritten answer. (b) ; .; Let A be a square matrix such that A2 – 7A + 81 =0 (where I and 0 are the identity and zero matrices, respectively). Show that det(A) # 0. Journal entries using memorandum ang journal entry method. Shareholder's equity the memorandum entry method.... 8973_njpg n-1 Rearc Coperson on othertied by to charter to lanis 10,000 ordinary urn at ... could you please help me with this and explain it?. Let U be a subspace of a vector space V. Among the statements below, enter "1" if the statement is always true and enter "0" if ... A manager assigns a task to a team of 5 workers. The team as a whole will be re-warded if the task is implemented. The task is implemented if and only if at least 3workers exert efforts, which are equ... Patrick owns five Midas automotive repair shops . To keep track of each shop, he visits one shop every day. He suspects that each shop is more productive when he is there as opposed to when he is not.... pls where does the frog land??? need asap plss. Lucas' frog is sitting at -2 on the number line. His frog hops 4 units to the right, 6 units to the left, and then 8 more units to the right. Where does... The sum of 168 and the product a number raised to the 3rd power of 19? Two questions:. Using the below data, what was the average number of visits per member? * Table 1 – Member / State M1 / Illinois M2 / New York M3 / Georgia M4 / Illinois Table 2 – Member / State / Vis... The Kentucky Derby distance is 24 furlongs. How far is the Kentucky Derby in (a) rods? (b) fathoms? a. The Kentucky Derby is ____rods b. The Kentucky Derby is ___ fathoms. 2.If your car gets 2... grade 12 advanced function (rational function). 9) GIVEN THE FUNCTION y = axtb cxt d) 5 ON SHOW COHY, AS X 00, 4+2 6) SHOWO THAT THE GRAPH CAN NEVER CROSS ITS HORIZONTAL ASYMPTOTE Hello, I need help with these problems. 5. Let A be an invertible n x n-matrix and b be a vector in R". How many solution does Ax = b have? Explain why! N O -1 O 2 -1 O OO – 1 2 -1 0 0 3 HOOO 6. ... 1147 260 mm 90 N A 40 mm 20 mm B 380 N 300 N 190 mm X D 100 mm E 180 N Four forces are applied to the block. Reduce this to an equivalent force-couple system at point A (point A is located at the o... Use the following information to answer written-response question I. The graphs of two functions, for) and g(). are shown below. Three new functions, j () k(r), and h(x), are defined by j (x) = (f . g... A 20-foot-tall telephone pole will be braced with a wire that extends from the top of the pole to a point 18 feet from the base of the pole. How long will the wire need to be? Give answer to the neare... how to find slope intercept equation?. 37 Depreciation The value of a machine is expected to decrease at a linear rate over time. Two data points indicate that the value of the machine at = 0 (time of... Express the following statements using mathematical and logical operators, predicates, and quantifiers, where the domain consists of all integers: "The difference of two positive integers is not neces... (c) Eliminate the high salary of 250 thousand dollars. Make a new frequency table using the class boundaries 23.5, 32.5, 41.5, 50.5, 59.5, 68.5. Class Boundaries Frequency 24 25 25 (d) Does the freque... Muchas de las personas que invierten en bolsa lo hacen para conseguir beneficios rápidos, por ello el tiempo en que mantienen las acciones es relativamente breve. Preguntada una muestra de 40 inverso... the movement of the pingtest bor may be more bessie sedlove serge worth me o Stephan owns a landscaping company Today, he is moving three lawns one is I of a ance one is . off maure andone is woes ho... (x + 15) V= x2 – 15 a) Find the domain of the function b) Find the intercepts Find the asymptotes Find the POSITIVE and NEGATIVE intervals .) Find the INCREASING and DECREASING intervals Find the END ... exponential growth and decay. In 2000, the population of Bombay, India was 18,066,000. What was the population in 2005 if the growth rate was 2.51%? Round to the nearest whole person. Answer: (20 pts) Use induction (on the number of vertices) to prove that the chromatic number of a connected simple planar graph is no more than 6. A certain Corollary from Section 10.7 will be useful. area,surface and volume. teraidge the aren of the three shapes. Ise the then formulas for the Ammo -th is min 3, 142 1.1 Area = -bh 1.2 Area – ar where n = 3,142 1.3 Area = [x b 1.4 Name the shape tha... please help with 2b dont mind if theres only process, need partial credits. 2. Suppose y(s) is a unit speed curve in 3-space. A surface S in 3-space is said to rectify (or straighten) the curve y when... matrices. 15. Records complied by the Admissions Office at a state university indicating the percentage of students who change their major each year are shown in the following transition matrix. Bus. ... Need some help with these questions, thanks! 1. 2. 3.. Consider a simple economy that produces only pies. The following table contains information on the economy's money supply, velocity of m... The table lists the eight human blood types. It also shows how blood types determine who a person can donate blood to and receive blood from. Blood type Can donate to Can receive from At At, AB+ At, A... Please help with this applied math question. Problem 1 In this MATH336 assignment problem, suppose (P) is a. maximization LP, and has a. feasible solution 3′? with objective value 7. Let (D) be the du... (1) [~Ash 6.1.1] Give an example in which f is Riemann integrable on [0, 1] and a is increasing, but f fdo does not exist. Explain explicitly, in terms of Riemann-Stieltjes sums or upper/lower sums, w... I 2. Let P(ac) : x 23 Q(x) : x<0 R(x) : x is an even integer be three open statements. Determine all integer values of a such that the statement R(x) = (P(x) AQ(x)) is true. Explain briefly your a... Is the set R = { k such that |Wk| < k + 1} an r.e. set? Is it recursive? Prove both. Please help me answer question 7a,b,c&d . The chart should help answer the questions. . 1.4 Units & Conversions 41 Travel Time The road sign shows your distance to several nearby cities in m... Located in Kettle Falls, Washington, the Kettle Falls Generating Station began operation in 1983. The 47.0 MW power plant generates electricity via a Rankine steam cycle fueled by direct combustion... Search for at least 2 insurance company that can cater your needs. State your reason why you chose such insurance company. 2. Make a table of the insurance

using ordinary annuity and annuity due. Help me this question clearly step by step pls!. Question 2. Consider the function f (3:) = x2 6˝˝, Where x E R. (a) Use limits to describe the long-term behaviour of this function. (b) Find all l… If E, F are independent events in a probability space (S,P), prove that 5,7 are independent. Under the same assumption on E ,F , are the events E ,F necessarily independent? Prove or disprove this. UGotPants makes blue jeans in two styles, boot cut and comfort fit. The boot-cut jeans take 20 minutes of cutting time and 30 minutes of sewing time, generating a profit of $12, while the comfort fit … what is the sequence of numbers left over?. -3,3 , 15, 21. i sebutan ke – 3. Can you help me ?. Question 1 of 9 Lime Company sells helmets for $19.10 each. Their administrative costs are $44,000.00 per year, machinery maintenance costs are $87,500.00 per year, packing costs ar… full solution. b) A square-wave function is given as: 0 -TEXS f(x) = 1 ASXS-1 N -N 0 -ASXSA 2 f (x+27) = f(x) i. Sketch the graph of f(x) in an interval of – 3x S x $ 3x ii. Find f(x) by using Fourier… college mathematics. Evaluate the following expression. [(11 + 37) +8-3 x2 A firm's production function has the Cobb-Douglas form Q =100/ 0.510.25 (a) Find the marginal products of capital and labour and show that they can be written respectively as aQ Q aQ ak = 0.5 K and… The number of people attending the yearly Ableton Show is rising by 5% per annum, and the number attending the yearly Bush Creek Show is falling by 5% per annum. In the first year under consideration,… Question 1 > 0/10 pts 9 100 @ Details Find the domain of the vector function T (t) = < t, vt + 5, \-4 -t> Domain: {t| Its Please provide Handwritten answer. And assume the missing information from your side.. 5. (PRACTICE WITH DIFFERENTIAL 1-FORMS) X2 2 0 1 2 3 CALCULATE the value of the 1-forms (=covectors) wl = dal, w2… A survey of 258 citizens found that 389 of them favor a new bill introduced by the city. We want to find a 95% confidence interval for the true proportion of the population who favor the bill. What is… Sir i am stuck for this question with complete explanation. The derivaive of f(2, y, 2) at a point P is greatest in the direction of = 71 +7j-7k. In this direction, the value of the derivative is 9,3…. Consider the function f(x) = x2 -5. (a) Use the Intermediate Value Theorem to find an interval of length one that contains a root of f(x). (b) Show that Newton's Method gives the iteration formula In+… Explicit function of initial value problem. 7. Find the explicit function y(x) of the initial value problem (act y) 2 y = (a > 0), y(1) = -2. The principal represents an amount of money deposited in a savings account subject to Principal Rate Compounded Time compound interest at the given rate. $4500 8% daily 3.5 years A. Find how much mone… Multiplication Strategies 6. Summarize and Discuss. Students often decompose one or both factors using addition to solve multiplications. This strategy works because of the distributive property of mu… Student Height in Centimeters Victor 132 Tim 142 Jackie 147 Jani 141 Bill 153 Ellen 147 Maureen 135 a) What is the mode of the students' heights? b) Correctly complete the stem-and-leaf plot by enteri… Question 4 (10 marks) Cognitive psychologists are examining the effect of visuospatial cueing on perceptual processing speed. They designed an experiment in which a square randomly appeared on either … ure 4.14, 13. Suppose that X = {1, 2, 3, 4} and level. R = {(1, 1), (2, 2), (3, 3), (4, 4), (1, 3), (1, 4), (2, 3), (2, 4), (3,4)}. (a) Show that (X, R) is a partial order. (b) Draw the diagram for (X… Prove the identity: (6 marks) sin8x = 8sinxcosxcos2xcos4x (Hint: Simplify the left side only.) For a given relation, is it always possible to have multiple candidate keys? Is there any way to check whether a relation has only one candidate key or more than one candidate keys? Justify your answe… Factor the following expression completely: 5w* + 45w* + 90w2 =. Factor the following expression completely: 3z2 – 25z + 28. You need to first factor out a GCF and then use the trial and error method … Need help. Bookmarks Profiles Tab Window Help X Course Home Course Home x (104) YouTube X + course html?courseId=16937143&OnenVellumHMAC-104702c5fde8eh778ce8dh7716hffe#10001 . . . Take a Test – Ma… Sir i am stuck for this question . 5. Show that the following strings have the indicated limit: 6. Determine a,b E R for which the function sz —> R, has limit in x0 = 0. For number (16-20) Describe which descriptive interpretation was probably used in each situation. Write for mean, for median, and for mode. * mean median mode 16. The most common fear today is fear of… Consider a binominal model for a forward contract. The price of a one-year call option on the forward contract is 7.7935. The risk-neutral probability upward move is 1/3. The initial forward price is… Problem 3: Hermitian weighted inner product In this problem we will operate with vectors in C". An inner product (·, ·) in C" is almost like in R", except that we require (x, y) = (y, x… how to make it out. In Exercises 79-82, find any asymptotes and relative extrema that may exist and use a graphing utility to graph the function. Hint: Some of the limits required in finding asymptote… Please provide Handwritten answer. A stationary random process has an autocorrelation function of Ry (T) = sint I a) Determine Rxx(t), where X (t) is the derivative of X(t) with respect to time. b) De… q1.1 question 1. Find A: for every positive integer i, i=1 where A, = [0, i + 1] that is, the set of real numbers x such that 0 < x < i+1 O a. [0, 1] Ob. [0, 2] O C.D O d. [1, 00) Oe. [0, 6… Porphyrin is a pigment in blood protoplasm and other body fluids that is significant in body energy and storage. Let x be a random variable that represents the number of milligrams of porphyrin per de… The city of Las Americas is dissatisfied with the private ambulance services. The city decided to purchase an ambulance operating contract and started operation of a municipal emergency medical s…

GRGRTGTRGTHHH

Mean StDev Minimum 01 Median 03 Maximum C1 20 20.00 1.62 7.26 7.00 15.00 20.00 25:00 31.00 C2 20 20.00 1.30 5.79 7.00 20:00 … refer to image for question. Suppose a primitive economy consists of two industries, farm products and farm machinery. Suppose also that its technology matrix is represented by the matrix shown below…. Estimate the area between the curve y=x^2 and the lines y=1 and y=2 A sampling of altitudes on a hillside is given below: Height(x, y) +NO DONDOC OHNWAUO NOOONOOO NOONANOO 0 X In this exercise, we will fit a two-dimensional cubic spline (bicubic spline) through th… I would appreciate it if sir/madam could help me with understanding this question immediately. thank you in advanced !. 2 Which of the following is TRUE for the complexity function f(n) = n n+1 I) O(n… please answer the following question below. In triangle ABC, the measure of angle I is 50 degrees. Select ALL powsible value for the measures of angle A and C′M ABC h an obtuse triangle. a. Anch Al 11… A 4 m long ladder is leaning on a wall and it makes an obtuse angle with the ground. If the distance from the bottom of the ladder to the wall is 3 m, determine the value of the obtuse angle in rad… On August 24, the Davidson family received 19 pieces of mail, consisting of magazines, bills, letters, and ads. If they received the same number of magazines as letters, three more bills than letters,.. 1 2 3 4. A study was done on a sample of fourteen 17 year-olds on wearing seat belts while driving. Data table showing results of survey on seat belts 1. How many females in sample? 2. How many males … What is the mean low temperature for the 5 days?. -20 15 20 SOL WebAssign. NumberLine @Help Need Help? Read It Watch It 16. [-/0.72 Points] DETAILS LARMPMT1 8.3.033. 0/100 Submissions Used The low tem… A copper rod of length ‘4m’ is initially kept in a lab apparatus where the rod is divided into four sections and each section is maintained at a specific temperature. At t > 0, the rod is taken out… Choose one method in solving linear equations and apply to the following equations in solving the unknown values: Eq. 1: v + w+x+y+z=1 Eq. 2: v + 5w + 2x + 3y + 4z =0 Eq. 3: v + 15w + 3x + 6y + 10z = … Problem 2: Product Pricing for Remington Manufacturing Remington Manufacturing is planning its next production cycle. The company can produce three products, each of which must undergo machining, grin… help i need. Find the quotient and remainder. (- 15×3 – 35x- – 51 + 15) : (3x + 4) The quotient is -5×2 – 51 + 5 The remainder is -5 > Next Question this is proportional math work . we’re talking abt 3 cookies each , 96 students in the 7th grade . and can 36 cookies fit on the sheet . the 2 sheets . it’s asking to create the table how ?. ONQUaT A … You put $13,500 into an account at the beginning of each year for 15 years. What is the future value if interest is 3.8% compounded annually? 2. What is the present value of an … Consider the case where b = Ax + v, with |x|0 = 2 and |v/2 < c. Let * be a solution to (P.). Could x have less non-zeros than x? when? Qu Find the unknown angle measures in the pair of similar triangles shown to the right. 20 650 O y R VL U ZR = 10, LT= 10, ZU=10, and LV=10 How much should Alicia have in a savings account that is earning 3.75% compounded monthly, if he plans to withdraw $1,650 from this account at the end of every month for 7 years? Round to the nearest … The results of an election with two candidates are shown below. X, Y, Z Prefer Candidate A U, V, W Prefer Candidate B Suppose that votes are counted using the following criterion: The votes of those w… at least answer one of them for me , very appreciated Help with these questions. Please. You have to find an inequality and interval notation for each number that is in the score box. 1. 2.. Let’s Beat Elon to Mars Vocabulary: Weekly Training Hours – The… here’s the question.. 3. Let (In)new be a sequence of real numbers and a E R. Prove or disprove: (lim sup(In) > a) = (for infinitely many n E N, an > a) . given the cfu and dilution factor, how do you calculate the cfu/g per soil For any a,bER show that Ilal-161/ <la-bl. Then prove that (Is,,()_ converges to | | if (s,), converges to L.. Exercises 2.2 1. If {s,), is a sequence of real numbers, if s. < M (nE/), and … Now that you added an axis title for each vertical axis, you can remove the legend and format the secondary value axis to display whole percentages. Remove the legend for the combo chart. Display 0 de… Exercise. Let M1 = (Q1, E, Al, $1, F1) and M2 = (Q2, E, 42, $2, F2) be nondeterministic finite state automata. Define the nondeterministic finite state automaton M = (Q, E, A, s, F) as follows: Q … [10 points] For a trend of 0.2 C/decade, how long a time series do you need for 99% of the trends to be positive? What if the trend is 0.1 C/decade or 0.6 C/decade? The volume V of an ideal gas varies directly with the temperature T and inversely with the pressure P. A cylinder contains oxygen at a temperature of 310 degrees K and a pressure of 18 atmospheres in … 1 JIgull The function sin(z) is periodic function and its period is 2 mi . a O IT bO Sir i have this total information i am stuck for this if you need any info message me i can update you . Problem Teams and events ranked by importance from low to high Team topic Rank Team web We… Topic: create a small story that can apply at least 3 math principles/concepts in it Given principles: o Tree diagram o Fundamental counting principle (X) o The Rule of Sum (+) o Factorials … Write the truth table for the propositions below and determine whether it is a tautology or contradiction. a)\[Not]p(\[Or]\[Not]q)\[Or](\[Not]p\[And]\[Not]q)\[Congruent]\[Not]p b)(p->(q->r))\[Eq… Lee Jenkins worked the following body temperature in Degree Celsius: 36.5, 36.2, 37, 35.9, 37, 37.1, 35.8, 36.2, 37.2, and 36.4. What is the percentile rank of the shopper… Espanol At a local college, 202 of the male students are smokers and 808 are non-smokers. Of the female students, 90 are smokers and 810 are non-smokers. A male student and a female student from the c… Solve the following quadratic equations by extracting square roots. Answer the questions WITH SOLUTION then ENCIRCLE your final answer. 1) & = 16 6) 4x – 225 = 0 2) 6 = 81 7) 31-147 = 0 3) 1- 100 … . (3) [~Ash 7.1.5] (a) Find max [0,00) ex (b) The sequence xe " converges to 0 on 0, co). Show that the conver- gence is uniform. Previous item may help. C. a. O O 0 b. WIN PIN = IN aI W – W/ M – ON – AN aw W / N – /w 15. What number sentence is true based on the number lines below? (NF.2) – H please show all working clearly. R2 P V Determine ALL of the possible currents that could occur within the circuit based on Kirchoff’s Laws and electrical theory you get the following equations. V – V… Four candidates running for a vacant seat on the town council receive votes as follows: Edelson, 2293; Borowski, 1511; Callow, 990; Levan, 418. Determine whether any candidate earns a majority, and de… I need help with this, it’s 5 parts and I really don’t know how to do it.. mathxl.com/Student/PlayerHomework.aspx?homeworkId=601029568&questionId=2&flushed=true&cld=6561293&centerwin=y… 17) The distance from Bangar to Laoag City is around 180 km. Which of the following functions best represents the speed of travel S that describes the time t it takes to drive from Bangar to Laoag Cit… Solve the compound inequality. 3x + 2 > 2x – 3> x – 13 Enter the exact answer in interval notation. To enter oo, type infinity. To enter U, type U. For example, to enter (-co, 99) U [101, co) , … Please can you show all the work, please do not skip steps. Establish the identity 1 – 2+1 Itztz + ..+: (z # 1) 1 – z and then use it to derive Lagrange’s trigonometric identity: 1 + cos # + cos 20 + … grade 12 advanced function. 3 5) SHOW THAT Log 4+ log 3. IS EQUIVALENT TO log 12 3 log 2 + log 5 Lai Xiaodong, a 22-year-old college-educated man, accepted a job at Foxconn Technology (where the iPad was being produced for Apple) in Chengdu, China, for $32 a day at 12 hours a day, 6 days a week. … Step 1 of change a to x = b (where a < b) is given by To find the average rate of change over the interval from x = -7 to x = 7, we have a = -7 and Now find the average rate of change of the functi… Consider the following nonlinear optimisation problem. Objective function: f(x) = ri +12 + x3 Constraints: (X1 + x2 + x3) < 48 (a) Write all the KKT equations/inequalities and use them to identify … bonjour vous pouvez m’aider pour ce devoir. xercice 1 Logoom pente des 2 toits est de 40 %. 1. En utilisant le Theoreme de Pythagore, calculer la longueur horizontale de la noue [B’O]. 2. En utilisant… real number analysis. Prove that the set F(N) of all finite subsets of N is countably infinite. Hint: Consider for all n E N the set Sn of all finite subsets of N whose maximal element is n. kindly answer both parts. D(x) = r’sin(1/x) ifx / 0 if r = 0. is continuous and differentiable on the entire real line but D’ is not continuous at 0. Let F(s) = / D(x)dr. -1 . Evaluate F'(0) . Prove t… help asap!. Evaluate the expression 3.8 + 0 + y for the given values of y. y value value of expression -4.3 0.5 1.6 0 5.2 from the complex analysis, please solve this problem asap thank you! #1 segment AE is _____,#2 Angle E is _____ degrees #3 segment CE is _____,#4 Angle D is _____ degrees,#5 segment AD is _____,#6 segment CD is _____.. 2.7 2.7 864.3 B 4 64.3* 3.2 3.2 m Exercise 8 . KNOW THE CONCEPTS DO YOU KNOW THE BASICS? Test your understanding of Chapter 8 by answering the following questions: 1. 2. 8. 9. Would it be appropriate to represent the weekly sales to… How to compute x 5 where x is in the set of F 5 where F =(0,1,2,3,4) step by step. Juan, an investment banker, invested $7,000, $5,400, and $2,100 in shares of three different companies. The market showed potential to grow so she decided to invest an additional total o… During a prolonged recession, property values on Long Island depreciated by 8% every six months. If my house cost $200,000 originally, how much was it worth 5 years later? Round your answer to the nea… The manager at a food distribution warehouse takes temperature readings of the refrigerator twice a day and keeps a record as shown in this table Temperature F Day 8:00 A.M. 4:00 P.M. 1 33 36 2 35 37 … Given the following Group Multiplication Table attached, answer the following questions. (a) What is the identity operator? (b) What is the inverse of O? (c) What is the inverse of K? (d) Show… Suppose you have at your disposal a collection of weights of values: 1, 3, 32, 33, 34, . . . grams. There is exactly one of each type of weight: in other words, you have access to exactly one weight o… Find the polar representation of (i — fl) 6. Find all the values ofx so that x4 = —8(i — x73) 7. Given 2 not real and |z| = 1, Show that w = ;—: is a pure imaginary number 8. Calculate all… You are studying the production of a protein in a cell. This protein inhibits its own production. You notice that when the cells are cultured at a lower temperature than usual, protein production star… La ganancia trimestral de una empresa (en miles de dólares) está dada por: , donde x (en miles de dólares) es la cantidad de dinero que la empresa gasta en publicidad cada trimestre. Determina la… Am totally lost , any help would be really appreciated! . Exercise 1) Consider the following IP: min 3×1 – 2×2 + 3 + 10×4 s.t. 1 + 2+ 2×3 2 3 10×1 + 34 2 7 2ac2 + 7203 + 204 2 3 21 + 2+ 3+ 4 > … Calculate the BMI for the following (For each one of these, please indicate if their BMI reflects good health, overweight, underweight, obesity, etc.): 30 y/o ?… Given the following Graphs: Graphs G1 d g Graph G2 k m Graph G3 X (a) Decide which two graphs are isomorphic. Justify this with an isomorphism. (b) The other graph is not isomorphic to the two which a… 1 . Assuming simple interest, determine Paul’s initial deposit if his account grew to $4,500 in 7 years, 6 months at an APR of 2.75%. 2. Assuming continuous compounding, how much would Susan have t… 28 pts] Indicator Random Variables i[1 . ..n] is an array. In addition to A you are given 2 other structures that are built from A: a binary tree T and a m x m 2D matrix M. In each of Local minima are… please help with this question!!! I’ve already submitted this question and no one is helping. f) Determine the equation of the line of best fit using technology (2 marks) g) Draw the line of best fit.… coding theory:. Starting from the (4, 8, 2) even-weight code (see Exercise 2.4) and the (4, 2, 4) repetition code, apply Exercise 2.17 three times to show that there exists a binary (32, 64, 16)- code… Problem 3.1, 10 points. We studied that CBC$ and other modes are not IND-CCA secure. Consider the following attempt to prevent IND-CCA attacks. As before, the message space is a set of all strings who… Give the PDA that recognizes the language of the following CFG: Start variable: S Variables: B, S, X Terminals: ‘a’, ‘b’, ‘c’ Rules: B → ε B → X B ‘c’ S → B S → X S ‘c’ X → ‘a’ X → ‘b’ wr… AutoSave On . g ~ ~ ~ MPM2D Evaluation 2 – Last Modified: 11m ago O Search bini waves X File Home Insert Draw Design Layout References Mailings Review View Help Share Comments v 12 ~ A" A Aav AD … a. Write an Add To problem that fits naturally with the equation dishy (-4) + 3 = ? Solve the problem, and explain why the solu- tion makes sense. wolf tie b. Write a Take From problem that fits na… when the class was asked to pose a meaningful problem that corresponds to the division 14 (divide by) 3, Peters problem was answered by 4, Tinas by 5, and Andreas by 4 with a remainder of 2. careful… Kabe invested a lotal of $4000, part at 2% single interest and part at 3% single interest. At the end of 1 year, the investments had earned $96 interest. How much was invested at each rate? Katie inve… Consider the differential equation y"+ Ary = 0 (1) (a) Show that the change of variables w = $1, z = c Ey turns this into Bessel’s equation with P = 3. (b) Hence write down the solution set for (… A couple wants to have exactly two female children – they will have children until this condition is fulfilled. A discrete random variable X is defined as the total number of children the couple has w… Question 3 of 8 Tiffany paid off his student loan in 6 years by making payments of $350 at the beginning of every month. The interest rate on his loan was 6.80% compounded monthly. a. Calculate the si… s./ / classroom.google.com/u/2/c/NDIXOTM5NjQONzkw/a/NDQwNjewMTk2NjQ5/details (20 points) Consider the vote count for the hypothetical election results shown below. Candidate A 45 votes Candidate B 90 … Please show workings clearly.. Please snow workings Clearly- Evaluate a 96 x 9 97 – 5 (6 28 2 Simplify to single positive exponent solve = 27 2 6 4 2 ((+ 5) – 11 = 215 see the attachment . Direction. Answer the following: Finds the roots of equations using required relative error dk – 0.001 1. Using Newton’s Method, find two of the roots of x5 – 4e* + 3 = x. Use x … Mixture Problem. How much of a 82% solution of ethanol should a chemist add to 2700 mL of a 33% solution to obtain a 56% solution? C A wealthy group of mathematicians wish to pool their vast resources and invest the sum. The investments will be divided among a high risk option earning 12%, an intermediate option earning 8%, and a … Let R be the relation on the set of real numbers defined by for all x, y: xRy iff x-y 20. Then this relation is (check all that apply): transitive anti-symmetric O symmetric O reflexive D Question 17 … If the objective function is P = 5600x + 3500 y what extreme points provides the optimal value? thank you expert. Given f: ARA such that f(X) =- 2 2+1 1. Explain why f does not define a function. 2. Modify the mapping to make f an onto function. 3. Show that the new function is 1- 1. Simulate a binary classification dataset with a single feature via a mixture of normal distributions using R (Hint: Generate two data frames with the random number and a class label, and combine them … 9 Homework @ Saved Rhonda Brennan found her first job after graduating from college through the classifieds of the Miami Herald. She was delighted when the offer came through at $16.40 per hour. She c… Sir, I need this blue line explanation step by step just need the instruction for each part . Module 3.1b Suppose f and g are differentiable functions with the values shown in the following table. F… Please help with the following, Thank you.. Question 5 10 pts What is the cardinality of each of the following sets? Pick the cardinality of the set. S = {a, {o}, } [Choose] [Choose] S = 1 S = {a,… eBook Problem 4-11 (Algorithmic) Following is the payoff table for the Pittsburgh Development Corporation (PDC) Condominium Project. Amounts are in millions of dollars. State of Nature Decision Altern… A truck comes to rest after a uniform acceleration of -7 m/s^2 for 0.08 minutes.what distance does it travel during this time? Find the function value. Round to four decimal places COS 61" COS 61 ~ (Round to four decimal places as needed.) For the remaining questions using only the numbers 0, 1, 2, 3, 4, 5, 6, find the number of possibilities in each category. The number of three digit numbers. Exercise 2. Faraday Motors (FM) is trying to determine what size of manufacturing plant to build for a new 100% electric smart car it is developing. Only two plant sizes are under consideration: large… Determine analíticamente y gráficamente la posición de la cuchilla a 50° y su máximo desplazamiento de la cuchilla así como su diagrama cinemático y realice una grafica de la posición del pist… A piece of metal is 14 3/4 inches in length, and has 16 drilled holes spaced evenly apart and centered on the metal strip . The total distance between the first and last centers of the holes is 12 3/1… After reviewing the expected results from the model developed by the consulting firm, Super Grain would like to investigate additional advertising options (in addition to the ones listed above) with t… We are a new staffing agency, and we are trying a different method of charging customers instead of inflating the price of a worker by 100% an hour So we want to compare the price of if charging the c… Analyze Rachel’s performance. Was she correct in her answers and/or her reasoning? How would you describe her grasp of mathematics? Is her teacher the type of teacher you would aspire to be and… California Mega Millions 53,000,000 6 total balls, 5 regular, 1 golden multiplier ball Describe the lottery and what it takes to win the lottery game. How many numbers are involved? How many numbers h… Answer the following problems involving compound interest. Present all the necessary solutions. 1. Mike Buiser has just been notified that the combined principal and the interest on an amount tha… How many 40′ ocean containers do you think are required to move this shipment most economically? 600 boxes Dimensions of each: 50″ × 50″ × 33 in, the weight of each box is 1200 kg / keep upright but… A fund of Rs 8981.28 is created and deposited in a banking paying compound interest at 8% pa so as to pay the annual rent to the house owner for 6 yrs. If the rent is payable in the beginning of each … Discount Amortization On the first day of the fiscal year, a company issues a $8,500,000, 6%, 6-year bond that pays semiannual interest of $255,000 ($8,500,000 x 6% x 1/2), receiving cash of $7,702,26… Chi-square tests for independence assess whether: A. two scale variables are associated. B. the means of two samples differ significantly from each other. C. two nominal variables are indepen… Answer the following questions. Part 2: 1D Kinematics Basic Information: a is constant. v = vo + at v+ vo U = 2 As = =at2 + Vot 12 = v2 + 2ads Directions: Please use the format given in class. You mus… ID: A Name: IS 13. For what value of x is the instantaneous rate of change in the function whose graph appears below 0? 14. A distance versus time graph is shown below. What is the instantaneous rate … Suppose there is an angle θθ inscribed in a circle and this angle subtends an arc of length 5. If θ=7π4θ=7π4. Find the diameter of this circle units. Find the area of that sector ?… Please provide Handwritten answer. The first three non – zero terms in a power series expansion of the solution for IVP y" – xy′ – y =0 with y(0) = 0, y′ (0) = 1 are given by : Oltx+ 4x 6:03 M # N . (b) How much would it cost the client for an overseas call with a duration of 55 minutes? Problem Set: C (1) Find the inverse of the function f(x) = 2.x+3 x-4 (2) Solve the following (i) … sir i am stuck for this question. Math problem num = [0.1, 0.2, 0.3, 0.4, 0.40, 0.50, 0.60, 0.70, 0.8, 0.9, 1.00, 1.10, 1.20, 1.30, 1.40, 1.50, 1.60, 1.70, 1.80, 1.90, 2.00, 2.10, 2.20, 2.30, 2.40, 2.50, 2… Consider a binomial experiment with n = 5 trials where the probability of success on a single trial Is p = 0.45. (a) Find P(r = 0). (b) Find P(r 2 1) by using the complement rule. Step 1 (a) Find P(r … If the x-axis of a frequency polygon illustrates three classes (0< 4, 5< 10, and 10< 15) and the y-axis illustrates the class frequencies (2, 10, and 18), then the correct set of x-y coordina… The semiperimeters of regular polygons with k sides that inscribe and circumscribe the unit circle were used by Archimedes before 200 B.C.E. to approximate tt, the circumference of a semicircle. Geome… Lucy, Helen, and Kristina each invested $7,000, $21,000, and $17,000, respectively, into a business. The business made profits of $390,000 in its first year and the owners decided to distribute the… DETERMINE EL VALOR DE LA CUOTA TRIMESTRAL DURANTE DOS AÑOS PARA CANCELAR UNA DEUDA DE $20.000.000 CONTRAIDA EN BANCOLOMBIA AL 18,59410431% NSA Step 1. Step Z. Step 3. ind the Least Multiply so that both fractions Compare fractions mon Multiple (LCM) have the LCM as the denominator. <, > or = 14 2/3 X3 IN x4 1/4 < 2/3 4, 8, 12 x3 x4 … La cantidad de penicilina en el cuerpo de un paciente en t dias despues de ser administrada esta dada por la funcion C (t) = 2 e . unidades. Determine la cantidad promedio de penicilina que estara pre… A plate of thickness L is initially at zero temperature. For times t > 0, the boundary surface at x = L is kept insulated while the surface at x = 0 is subjected to a heat flux f(t) varying with ti… please help. Given that f(r) = [g(x) *, g(0) = 3, and g′ (0) = -1, find f′ (0). The ages, in years, of the Il reporters who work at a newspaper are listed below. 28. 45. 61, 40. 55. 58. 33, 27, 35, 33, 46 a) Make a stem-and-leaf plot of the reporters’ ages. Be sure to include… Advanced Math 2. (using SageMath) Euler’s Theorem states that ry = 1 (mod n) when ged(x, n) # 1. For n = 100, determine all possible values of z?() modulo n f… A room air conditioner causes a temperature change of −(3.7×10^0)° C. What is the temperature change in kelvins to two significant figures? Consider air at P = 1.00 atm. The average molecula… This problem relates to the revised simplex method. I need some help with these problems, I don’t know where to start.. Your colleague is working on the following LP problem: Maximize z = -I1 +12 +213… Two fair tetrahedrons (4 sided), each with equal sides numbered from 1 to 4, are identical except that one is red and the other white. If the two tetrahedrons are tossed and the number on the bottom f… Compute Goods available for sale:. RO myleoonline.tamuc.edu B Posttest… A AC A N sttest 1 AC Time Left:0:35:06 Allyson Finch: Attempt 1 X (Learning Outcome 6) Use the following information for Pets … here’s my question, please provide an explanation (definition 17.1) (theorem 17.2). 4. Let f : N – R be a real-valued function defined over the set of natural numbers. Either prove that f must be cont… Out of 5,000 students surveyed, 1,000 preferred diet drinks over sugared sodas. What percent preferred non diet drinks? Consider the following sets: (a) A={(x1,x2)ЄR2 : |x1|+|x2|≤1}; (b) B={xЄR^3 : 0≤x1 ≤x2 ≤x3}; (c) C ={xЄR^2 : x2 ≤(x1)^2}; Q1a For each set, check if it is convex. Q1b For eac… . PROBLEM: MPM Wiring Systems has 50 crimping machines that are utilized in the crimped and cutting process. Each machine is utilized 24 hours a day for 350 days a year and it has a power consumptio… Tanto Inglaterra como Escocia producen panes y suéteres suponga que un trabajador inglés puede producir en una hora 50 panes o un suéter suponga también que un trabajador de Escocia puede producir… Sir i am stuck for this question. Find the derivative of g(2) = 4x(1 + 2x) + 21n(2) in z = 2. g′ (1) =. 11 Question 11 Write down the limit definition of the derivative of the function f at the point … If a stack of 60 widgets measure 24 centimeters, what is the thickness of each widgets? I’m struggling with this math problem. what is brainly tutor – Bing * + le.com/document/d/1mAibCtorq/hm2WH2:JZRePyt4BUFbASWMyLL pP2hUB/edit#heading=h.gjdgus BOARD WORK FOR 804 (October 15, 2021) # @ @… D show that ( ) 6 (x x)) = 2 Unk) Un (x) were Gis n 1 – 24 green function Let f be a continuous functions on the interval 0, 1] . Prove that there is a point c E [0, 1] such that f(c) = inf A, where A = {f(x) : 0 < x<1}. [5] The speed-time graph shows the motion of a particle for a period of 15 seconds. Calculate the value of v, if the ratio of the distance travelled in the first 5 seconds to the last 6 seconds is 5 : 3….. this is the link to the images of the question Please help. Word Problem Question 2: (You have to submit an image of your FULL solution to the question in eConestoga -> Course Tools -> Assignments [Final Exam Submission]) Datastream Incorpor… 0/ – VAA correct comparison? al- CO – 1 Use the fraction strips shown. Which choice shows a Sir i am stuck for this question . (5 points) Consider a pendulum of length Lin m. It should have an angle of deflection Oin rad, The DGL applies: + + sin 0 = 0 dt2 where should be used of = 9.8 m s … differential equation. What is the general solution of the given ODE * 3 points dy + 3x2y = 6×2 dx y = 2+Cex3 y = 3+Ce-x3 Option 1 O Option 2 y = 3+ Cex3 y =2+Ce-x3 Option 3 Option 4 DAY CARE COMES TO NORTHVILLE Northville, a medium-sized city in the Midwestern part of the United States, has experienced a significant change in the composition of its municipal work force of 1,800 e… 13) a)) Suppose $750 is invested into a mutual fund earning 8.5% per year, compounded quarterly. Determine the amount of the investment after 2 years. b) How much interest did the investment earn in … Part A: Multiple Choice: Knowledge [10 marks] Identify the choice that best completes the statement or answers the question. 1. Which graph of the following functions does not have vertical asymptotes… obtain the bode plot of the following functions: use wolframalpha. 20(S+3) 50 a) F(s) = b) G (S) = S(S+4) (5+10) (S+5+100/)($+5-100)) a) Determine the equation of the cubic function with zeros -4, 2, 3, and f(5) =120 b) Determine an example of an equation for a function with the following characteristics: Degree 3, a double root at … I can’t figure out C.. You have a $1,500 balance on your 10% credit card. You have lost your job and been unemployed for 6 months. You have been unable to make any payments on your balance. However, y… explain please !!!!!! . Selection Process The choice of materials for springs of minimum volume is shown in Figure 2. A family of straight parallel lines (bold blue and black dotted lines) … I need to design math bulletin board. This is a concept board bulletin board for mathematics that teaches EQUIVALENT FRACTIONS Provide a written explanation of your concept design. Your bulletin b… tell me if the x=5,y=4 and z=2 so what is the ans of the following picture. 2x – 3y + 5z xy + yz (10y + 5z) + 2x How many ways are there to choose a panel consisting of 2 of 3 Republicans and 2 of 5 Democrats? Complete the truth tables in # 7 – 9: 7. P Q ~P_(~PAQ) 8. P Q (PVQ) [(P V Q) AQ] 9. P Q ~Q__(P … could you please explain the answers to this question especially at how they arrived at p0,p1,p2,p3 and how they determined c1,c2,c3. 5164. On : For S = 3, find coefficients (bi, b2, by) an… see attached document below. 1. Calculate the sum of the arithmetic mean of 12; x; 2 and the geometric mean of 16; y;4 sequences. Show all the calculations. [6] 2. A series is given by the summation f… Please help with Task 2 ASAP. The Algorithm is attached.. Task 2. (by hand) Consider the algorithm below. Show that the factorisation requires 3 n mul- tiplications and divisions.. Algorithm To factor… Question 11 Look at the graph below. Graph 1 is f(x)=3x+2 . Three other graphs are drawn on the same set of axes. What is the equation on graph 2? Choose the best available answer below Question 11 … How much was deposited in an account on June 15, 2018 in order to have a balance of $5,300 on February 22, 2020 ? The account earns 2.55% compounded quarterly. 0 minutes. lo.11 remaining. Show Intro/Instructic A 6-ounce serving of grapefruit juice contains 177 grams of water. How many grams of water are in 20 ounces of grapefruit juice? There are It grams of… A charity raffle told people that they should expect to win at least $4 for every ticket they purchase. There were two $50 gift certificates, seven $20 gift certificates, and eleven $15 gift certifica… 14 July 31 $3,871.35 Question 5 [5 points] SunBlush Technologies received an invoice of $8, 110 dated August 15 with terms 3/10, n/15. SunBlush Technologies paid $2,000 on August 20, and $2,000 on Aug… From the number theory, thank you. Assume that the Mobius function # is multiplicative. Prove that Euler’s phi-function $ is multiplicative, by using Mobius Inversion Formula and Gauss’s Theorem for E… The following is a country’s economic transactions in 2020: there are 3 sectors namely Government (Gov), Agriculture (Agr) and Manufacturing (Man). Gov’s final request of 75, Agr of 15 and Man of 30. … 3 .) I expect a hard answer because graphing is one of my difficulties but i hope that’s at least a little easy . {a} [4 points} Let a and b be integers. Prove algebraically that if a and l? are both oddh then a + b is even. {b} (4 points} Let x and y be two prime numbers greater than 2. Prove that x + y canno… Which of the following algebraic expressions should be used to model the sentence below? The sum of three consecutive odd integers, if x+1 is the first odd integer A) x+1+x+3+x+5 B) x+1 ÷ x+… Q.6 The numbers of cars, Ni = ki, i = 1, 2, …,n, passing a particular point on a rural road are recorded during n non-overlapping time-intervals, each of duration 5 minutes, as displayed in Table Q…. Please provide codes, step by step solutions and reasonings to the questions below:. 1. Implement Tausworthe pseudo-random number generator. (You may use matlab, python or Excel). 2. Please carry out… Testing: Ho:u = 19.6 H1:u # 19.6 Your sample consists of 36 values, with a sample mean of 20.2. Suppose the population standard deviation is known to be 4.46. a) Calculate the value of the test statis… Please it’s urgent. Question (a) Let f(x) = 57 be a continuous function for every r E R. (i) Use the Lagrange interpolation and find a polynomial p(x) of degree at most two that agrees with this funct… Answer directly no explanation needed, answer as fast as you can this has time limit. Question 6 Solve the inequality Not yet answered log5 x – 3 – 7 Marked out of 3.00 Select one: Flag question O a. … Define F : R3 -> RA by -X1 + X3 F 2 = x1 + 2×2 + 3×3 T3 X1 – X2 – 3×3 Find a basis of the range (or image) of F. WHat nominal annual rate, compounded monthly is equivalent to 5.2% compounded semi-annually?. What nominal annual rate, compounded semi-annually is equivalent to 6.3% compounded quarterly? Select one:… . Stevic delivers newspapers. He has already earned $36 delivering the Sunday paper and $12 delivering the Saturday paper. He earns $4 for each Sunday paper delivered and $2.50 for each Saturday … help. 6) Consider the chart below. If there were 2,500,000 million phones sold in Quarter I of this year, how many more phones were sold by Talk to Me than by Connect2U? Manufacturer Market Share in Q… Please provide Handwritten answer. 5. (PRACTICE WITH DIFFERENTIAL 1-FORMS) X2 2 0 1 2 3 CALCULATE the value of the 1-forms (=covectors) wl = dal, w2 = x’dx2 and w3 = d(r)2 ((r)2 = (x1)2 + (x2)2) on th… Two days ago I was 20 years old. Later next year I will be 23 years old. Explain how this is possible. MA 161-USP- DISCRETE MATHEMATICS. Use this recursuve algorithm below to find f(2). Procedure f(n: nonnegative integer) if n 0 then f(o) 1 else if n is even then f(n) :- n + f(n/2) else f(n) : n + f… From the complex analysis. thanks. Problme 1.+ C=C1+(0)={z: [z/=1} , find solution.+ (1) dz (2) dz (3) Idzl (4) 14 1 1d=1 02 C Z 02 C El Costo de fabricar zapatos depende de la cantidad x producida de acuerdo con la función, ?(?) = ? 2 + 3? + 7. Así, el costo por fabricar 100 zapatos es de 10 307 dólares. • Calcul… Using page 173, complete problem # 4 Develop an instructional sequence to teach children how to change percents like 1/2%, 3/4%, or 5/8% to decimals. Provide a step-by-step sequence of instruction….. Date 4. Luc earns $23.20 per hour pouring concrete. He usually works 44 hours per week and is paid bi-weekly. a) How many hours will Luc work in a 2-week period? Bohours 4 4 x 2 (week) Construct a truth table for the statement. ~(~PAq) Complete the truth table. st P q ~(~PAq) F ents F T F E xt Please write all the steps clearly. Thank You. . (1) The exact formula for the period of a simple pendulum is T = 4VL/g So do V1-k2 sin2 d where g is the acceleration due to gravity, k = sin a/2, a is… Remaining Select the correct loops to simplify the given function in POS (product of sumer form: Note To select loops then wrap around the edges of the table, god must select both sections that exend … 5} Bruce has $10!!) to invest for 5 years. Without calculating, choose the investment that will have the greatest ammt at Why. a] A SIC that earns 4.91: compounded quarterly. b} A SIC that earns 4.91%… Read the scenario below and answer the given questions by choosing the correct answer. The side effects of a new drug are being tested against a placebo. A simple random sample of 565 patients yields … Assessment Directions: Read the questions carefully. Write the letter that corresponds to your answer on the provided separate answer sheet. 1) Find the equation of the line with slope -2 and passing … need full explanation and calculation if needed plz and thank you. you can use other than jupiter notebook if u need so.. Problem #3 (6 points) Part 1. You are a TA for APMA 035D. and a student comes … Find the cost of a home in 30 years, assuming an annual inflation rate of 1%, if the present value of house is $225,000 4 Linear Recursion relations with constant coefficents 1. Solve the recursion relation go = 91 = 92 = 1 with In – 2gn-1 – 9n-2 + 2gn-3 = 0. 2. Solve the recursion relation go = 91 = 92 = 4, In – 6gn-1… Question 13 (1 point) Find the derivative of 852 L(D) = + D 3D Choose the best available answer below O L'(D)=-16SD-2+1 O 852 L'(D) = 1 – 3D2. Question 12 (1 point) Find the derivative of V(r)=4mr3 Ch… A student sientist wants to construct a solar cooker which is the shape of parabolic dish with a diameter of 6 feet and a depth of 1 foot.where should the cooker (focus) be located to get the maximum … This is a graph theory problem. . Let On be the cycle of length n, meaning the graph with vertices {1, 2, . . . ,n} and edges {12, 23, . . . , (n — l)n,n1)}. C4 is pictured below. How many spannin… 2.Someone needs to borrow $10,000 to buy a car and the person has determined that monthly payments of $200 are affordable. The bank offers a 4-year loan at 8% APR, a 5-year loan at 8… Ryan, a consumer electronics salesperson, eams a base salary of $1800 per month and a commission of 8% on the amount of sales he makes. One month Ryan received a $2320 paycheck. Find the amount of his… Assign a grade to each answer for thosethat are incorrect.Why do you think the student need erred? . 14. [-/0.57 Points] DETAILS LARMPMT1 2.2.002. 0/100 Submissions Used In an activity, a student gav… I just need the answer. Jane eats % of a cup of cereal for breakfast every day. If the box contains a total of 24 cups, how many days will it take to finish the cereal box? PLEASE FULL WORKING OUT . Section 2 Part C A wind turbine is subjected to forces caused by the 1wind pushing against the blades and the tower. These forces can be simplified to tWfl point loads: th… Glenn bowls in a bowling league every Saturday morning. Last Saturday, the scores from Glenn’s first 3 bowling games were 141, 128, and 157. a) What is the mean of the scores from Glenn’s first 3 game… 2nd-order ODE /w Finite Difference Method . The following equation describes how reactant/substrate concentration s changes with radius r and time t in a spherical bead with catalyst evenly distribute… Sir i am stuck for this question . 11. Find an equation of the plane passing through the point O(1, 2, -1) and perpendicular to the planes xty+z = 2 and -x + 2y +3z = 5. 12. Find an equation for the … Question 2 a. BB research is a not-for-profit organization in Australia. They seek your help to decide the sampling plan one would choose to collect data for following research. In each case, you are … a) A fair 8-sided die is tossed. What is the probability that the numbers 4 or 6 or 3 or 2 are tossed? b)A card is drawn randomly from a standard deck of 52 cards. Find the probability of the gi… All held questions will be shown to you again at the end of this test. You have held 8 questions so far The ordered pair (5, – 3) is a solution to which of the following inequalities? O y2 – 2x + 8 O … Have you ever tried to get out of jury duty? About 25% of those called will find an excuse (work, poor health, travel out of town, etc.) to avoid jury duty, + LO USE SALT (a) If 15 people are called … Just tell me if it’s true or false without explaining. Previous Page Next Page Page 1 Question 11 (2 points) For nonzero constants a, b, and C, then a + b . c = ac + bc. True O False Previous Page Nex… What pattern can be seen in the integers and counting numbers? example: 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, and so on . Given following data (x,f(x) = (1,4), (2,4) and (3,12): Find f'(x) and f"(x) at point x = 2.. use Richardson method for two-point central difference formula with f'(x). use Lagrangian method fo… Consider the differential equation y′ = (y -1) (y -2). Using directional field analysis on the DE, plot the qualitative behaviour of the solutions. Hint: You do not need to solve the DE. First determi… Solve it for me. 2.2 Application Problems Nam 2.2.3 Describe the process and reasoning of recondling/ 2.2.4 Distinguish transactions to identify ones outstand 2.2.5 Complete reconciliation given bank … QUESTION 1 (a) Consider the system of second order differential equations, I′ = (I′)2 + 4-I y" = -I with initial values r(0) = 1, y(0) = 2, x'(0) = 0, y'(0) = -1 Convert the system into a system … algebrics structures. 0 1 0 O Let X = 1 O O Y= -1 1 0 E GL(3, C) O 0 0 Fill in the blanks: The order of X is The order of Y is True or false: For all groups G. if x, y E G are elements of finite order… SKRD Ltd received an invoice for $2,874 that had payment terms of 6.5/10, n/30. If a partial payment of $650 is made during the discount period: a) Calculate the amount credited for the payme… Based on the common knowledge at the beginning of period t, determine whether or not it is the case that S? = S, ? If it is, clearly and carefully explain why; if it is not, clearly and carefully e… The Bag&Go is a company that makes luggage suitcases. They want to schedule the production of their model X25 for the next 6 months. For that model, they anticipate the following demand and unit p… Show full solutions 1. The s

at the end of the year, he found he had paid GST on parking fees of $2,000, supplies of $55,000 util... Let X be a set and f: X – X be a function. Define f" : X -> X recursively via fl = f, fktl- fork. Assume that there exists a positive integer n such that f" = Idx. (a) Prove that f is inj... Solve the following problems. Show your solutions on your answer sheet. 1. The area of a piece of paper is 143cm2. Find its dimensions if the length is 2cm longer than its width. 2. Tita's Rosquill... The following is a Bill-of-Materials for product A. The numbers in subscript represent how many of the item is needed for one unit of the immediate parent. See the table below for the values of these … Please answer. 2. Mrs. De Lina receives a note for Php 6000 which is due in 130 days with interest rate at 15%. The note is discounted immediately at a bank that charges 12% discount. How much is the … . 293124072_Linear_Relations (1).p X 5 293124083_Linear_Relations (1).p x 5 293124083_Linear_Relations.pdf X 5 293124075_Linear_Relations.pdf x 293124071_Linear_Relations.pdf x + C O File | C:/Users... Question 2 : a) Write two mathematical definitions of Value-at-risk and explain each of them verbally. When are these two definitions equivalent to each other? b) When losses are normally distributed … Kevin Durant is 7 fet tall? Qualitative or quantitative Count the number of functions 4p : (4, 5, . .., 8} -+ (4, 5, ..., 8} so that (i) 4 is one-to-one and 4 (7) = 8 (ii) up is one-to-one and 4(7) # 8. Denote by S the set of integers {-23, -22, ..., -17}.... SETS OF NUMBER. D. Pilang sets of Ones, Tens, o Hundreds ang masunod no numbers. Sets of Sets of Tens Sets of Ones Hundreds (100) (1) 1. 5 2. 36 3. 67 4 100 5. 123 I have a question about the special round function in Excel. In my assignment, the High ratio uses the ceiling and Low ratio uses the floor. Why or When using Ceiling and floor function? What is th... (b) Use the results of part (a) to compute the sample mean, variance, and standard deviation for x, the percent of successful mallard nests. (Round your answers to four decimal places.) x 35 12.4700 X... reference: this sum is from a subject called advanced optimization techniques . ... Use the given information to find an exponential model of the form Q = Q 0 e − kt or Q = Q 0 e kt , as appropriate. Round all numerical values to three significant digits when rounding is necessary.... Question 9 of 10 Quarter-end payments of $1,440 are made to settle a loan of $36,340 in 9 years. What is the effective interest rate? % Round to two decimal places QUESTION 8 3 points Save Answer A local business has 495 employees. Seven-ninths of the employees graduated from nearest ones. college. How many employees graduated from college? Round your answer to … [1/2 Points] DETAILS PREVIOUS ANSWERS SCALCET8 16.3.017. MY NOTES PRACTICE ANOTHER Consider F and C below. F(x, y, z) = yzexzi + exzj + xyexzk, C: r(t) = (+2 + 2)i + (t2 – 4)j + (t2 – 5t)k, Osts 5 ... Nakapagsasagawaa nang may mapanuring pag iisip ng tamang pamamaraano pamantayan sa pagtuklas ng katotohanan Calculate the average daily balance and finance charge. (Round your answers to the nearest cent.) 30-day billing cycle Previous 9/16 Billing date $ 800 balance 9/19 Payment $ 48 cr. 9/30 Charge : Home… . ' Question 3 1 pts Robert and John are married and have 3 dependent children and earn a gross biweekly salary of $5,131. They will also make the following tax-deductible purchases: a Medical ex... . 2 26 + 44 + 421 – 4 = 0 6octuy = y realme Shot by Krrish 2021/12/15 08:58 Do you have a container of balls number between One and 20 if you randomly drop off from the container what is the probability that the number on the bar will be divisible by two or will have a value ... A TV channel has ten minutes commercials per 90. What is the expected number of times you could randomly you could randomly select this channel without hitting a commercial? [2T/1A] 8. A computer p... The following questions below are your guide in the making of your synthesis paper you can focus on one of the given aspects below. 1. Mathematics helps organize patterns and regularities in the wo… Convert the following: please convert and explain, preferably with formulas.   a. 750 mL to L   b. 0.35 kg to g   c. 77 in to cm   d. 5 gal to L   e. 66 531 ft to miles   f. 3 yd 2 in to in… how to solve. Let f(x) = -2×2 + 1 and g(x) = 4x -3. Find (f . g)(x). pls help me with this lesson.. Use algebraic methods unless otherwise stated. Tammy is hiking along the top of First Canyon on the South Nahanni River in the Northwest Territories. When she knocks a r... Problem 6 (5 points): Assume we are given an LP in the standard form, with A an m x n matrix: min DER subject to Ar = b (5) 1 20 Recall that, as we derived in class, the associate dual program can be … Let E1, E2, … be a collection of measurable subsets in R. Assume that these sets are disjoint and let E = UX Ex. Measure of each E is finite. Consider the series XE = Zizi XEi. Prove that XE converg... Tema: Interes Compuesto CASO II: Compra a credito El Licenciado Ruiz compra una motocicleta con un enganche de $10,500 y el 70% restante con 3 abonos a 3, 4 y 6 meses de la compra, de cuanto es cada u... Question 4 For the two DOF spring-mass systems with kj = 10, k2 = 0.1, m, = 2, and m, = Firstly, set up the 4th-degree polynomial to solve for the eigenvalues, A Then make the substitution in this equ... Please provide Handwritten answer. ano. 62) Suppose that f and a" one bounded and fo'is intepapa on [a, b]. Show that I findgues exists and equals J fixgoode. CTIONS Sensitivity Editor Reus OVERVIEW Ever wonder how your electricity bill is computed? The following tables gives the watts of power that are typically required by several major (and not so major)... (1) A Hawk-Dove game In class, we discussed the "snowdrift" model as an example for interaction of organisms. In this problem, we will use a "Hawk-Dove" model instead. In the Hawk-... Sir i am stuck for this question . MATRICES Q2 :1] Given the matrices —2 l 2 14431;], 3:; g 31, c=[4 _1 7] 0 3 11 Evaluate [i] 52 [ii] (€le [iii] Is det. C2 = det. [CT)2 ? Show your workings clea... Approximate the maximal margin of error, E, by using z from above, the given population standard deviation, and the sample size, n. Recall that n = 19 and o = 0.35. (Round your answer to two decimal p... Question Chicago is home to 2.706 million people and the city sees approximately 55 million visitors each year. China has a population of 1.393 billion. If their visitors were proportional to Chicago,... MAT-143. Consider the following case of exponential growth. Complete parts a through c below. The population of a town with an initial population of 67,000 grows at a rate of 7.5% per year. a. Create ... In how many years will $ 21,136.18 amount to $ 75,514.55 at 27.54 % per annum when compounded quarterly? This is my assignment question. Please help me to answer this question.. 3. Prove cos 20-cos 40 + cos60 – cos120 = 4sin 30 sin 50cos 40. What are the values of x and y to maximize its profit by how much on the given equations: Z = 2x + 10y subject to : x + y > = 3 and x + y < = 6. O a. x = 4; y = 0 ; Z = P60 O b. x = 4; y = 0 ; z... Which scatter diagram indicates a perfect positive correlation? hi, I have a problem, can you help me, please? I made the attached table but not sure about the rest. Formulate the linear programming problem below and then solve it. A sub-contractor produce... Please provide Handwritten answer. Briefly justify your answers to the following questions: For each of the following statements, determine if it is true or false. If statement is true, briefly explai... Twice a number is 32 less than 4 times the number. What is the number? During the last four years, a certain mutual fund had the following rates of return: Year Rate of Return 2014 3.5% 2015 3.3% 2016 4.8% 2017 7.3% At the beginning of 2014, Alice invested $2,214 in this... Using Treasury Quotes Locate the Treasury bond in Figure 5.4 that matures in February 2039. Is this a premium or a discount bond? What is its current yield? What is its yield to maturity? What is ... pa help po. Direction: Write the function notation that translates to the following: 1. Double x, add 3 2. Quadruple x, minus 5 3. 5 less x 4. 7 less than x 5. Cube x 6. 6 more than x 7. 18 greater th... 1.) Cuisenaire rods W r = 2 co 24 =6 27 =8 =9 = 10 How many single color trains Can you create for each prime number and why ? Theory of computation. CS611: THEORY OF COMPUTATION Assigned: Sep 17, 2021 Due on: Sep 24, 2021 11:59pm Instructions: This homework has three problems that can be solved in a group of at most two, but... 7) Basic Stock Recipe Scaled Recipe Yields: Gals Basic Stock Recipe Scaled Recipe Yields: Gals Ingredient Quantity X Scaling Factor = Scaled Recipe Quantity Ingredient Quantity X Scaling Factor = Scal... Let h be a small quantity, h≪1. Which of the following expressions is not of O(h 2) as h→0? Indicate all that apply. c o s (h) − 1 s i n (h 3) 5 2 h 2 5 2 h 3 − 3 h 2 + h e h 2... pasagutan po. Learning Task 2. Identify the axiom or real number property that Mes each statement 1. 53 + x x + 53 2. 5 (x – 3) = 5x – 15. 3. (xy) = (3x)y 4. B + (-8) =0 5. 14 -=1. 14 How long was ₱30,000 invested at a bond growing at an average rate of 8.25% compounded monthly if its value at maturity is at ₱50,000? just tell me the answer without explain. Question 13 (2 points) The rational function C(x) 13 0 s x < 100 describes the cost, C, in millions of dollars, to inoculate x% of the population against a ... Alden is registering for classes next semester. He uses the Quantitative Reasoning Process to decide between two teachers, Dr. Alvarez, and Dr. Bareno . He speaks to 18 friends that previously took th... Define class,person type that can store an addresstype object,name and phone number Application of Non homogeneous production function in economics Application & TIPS 1. Farhan is looking at a hill whiie standing at point A. The angle of elevation at this point to the top of the hill is 33 degrees. He then walks towards the hill to point B. A... Find the explicit finite difference solution of the wave equation Utt – Uxx = 0, 0<x<1, t>0, with the boundary conditions u (0, t) = u(1, t) = 0, t 2 0, and the initial conditions u (x, 0... help me this question clearly step by step please!. Question 2. Consider the functions f, g: R – R defined by f(x) = x and g(x) = 2x. Using the intermediate value theorem, limits, or otherwise, show t... 20 V. 0.095 (c) David earns E38,000 one year and receives a 5% raise in salary. What is David's new salary? thank you experts. Consider the following R on s = fa.bic,diet R = { (a, a), (a, c), (a, e), (6, 6), (bid), (c,a), (cic), (ce), (dib), 1did), (c.a), (cic). (e.e)) Confirm A is an equivalence relat... A student of operations research is preparing for the end-term examination. The hostel where he stays is infected by mosquitoes, which are a constant source of distraction for him. While studying the ... Factor the Greatest Common Factor from a polynomial in the following questions. 8p2 + 32p +48 B(p2 + 4p + 6) b. -16t2 + 80t + 4 -4(4t2 – 20t – 1) kindly solve both parts. Recall that is was shown in Question 1 of Homework 3 that the function D()= r sin(1/x) ifx / 0 0 if r = 0. is continuous and differentiable on the entire real line but D' is n... Reference: Mathematical Methods in Chemical and Biological Engineering Binay K. Dutta. Problem 1. A drug at a concentration C; is encapsulated in a permeable polymeric membrane of thickness L and area... By using a karnaugh map, determine the optimal Sop Form the expression giving by the max term hotation F (A , B , ( ) = I IM (0 , 2 , 3 , 6 , 7) . 4.. Consider the vote count of another election shown below. Candidate I 170 votes Candidate J 560 votes Candidate K 105 votes Candidate L 930 votes Candidate M 330 votes d. Which candidate won a plur... slove it please. atleast show the relevant questions.. 5. (Symmetric Random Walks) Let {X,}>, be a sequence of i.i.d. random variables such that P(X, = 1) = P(X, = -1) = 1/2. Define the process So ... Que avance plano ayque ajustar para mecanizar él diámetro de una brida de 150 mm en dos cortes con un número de revoluciones de 63 1/mini el tiempo máquina dado es de 5 minutos Combinatorics question. Problem 1. (15 marks) (a) Let n, m be integers such that n 2 1 and m 2 0. (i) (3 marks) Let X = {1, . .., n, n + 1,..., n +m + 1} and for je {1, ..., n + 1} define S, : = { T :... Question

= 127 53 (y-2017)] Calculate the revenue for the year 2021 and comme... I hope you answer this.. Performance Task: Mathematical Gamification Devise a Mathematical recreational activity or a game. The recreational game must involve the application of mathematical concepts ... At age 24, someone sets up an IRA (individual retirement account) with an APR of 7%. At the end of each month he deposits $70 in the account. How much will the IRA contain when he retires at age 65? C... CNBC reported that one in five consumers who purchase bitcoin do so using their credit card. Melissa Gamez purchased a used RV with 19,000 miles for $46,900. Originally the RV sold for $70,000 with a ... set of ordered pairs has no pairs having the same first coordinates. ...)I Arnold says that 2; = 5, and he uses the drawing in Figure 3.32 to support his conclu sion. What is wrong with Arnold's reasoning? Do not just state the correct way to convert 25; explain why A... Assume that x has a normal distribution with the specified mean and standard deviation. In USE SALT H = 108; 0 = 18 P(x 2 120) = 18 X In a standard deck of 52 cards, how many ways can you select a spade and then a 3? (without replacement of the card drawn trust) if you get 20% off an item that is now 320, what was the original price before the discount?? I need help on this. A and B are sets of real numbers defined as follows. A= (w|w <2} B = {w |ws6) Write A 0 B and A U B using Interval notation. If the set is empty, write 2. For each of the following recursions: i. find (analytically) all fixed points in the indicated domain; ii. determine linearized stabilities (when possible) of all fixed points; iii. plot staircase/... Prove or disprove the following statements. Be sure to indicate clearly whether the statement is true or false. (a) For all x ER – {2}, if x – 2 2, then x < 2 or > > 4. (b) For all x E R – 3/ ... Discussions List > View Topic _ To Rent or To Buy? v Must post first. fir Subscribe Create a 100 word response about the advantages and disadvantages of renting versus owning accommodation and po... ww-awu.aleks.com/alekscgi/x/Isl.exe/1o_u-lgNslkr/j8P3jH-lv-6txjbonmDn7WsVrRAXK6XnHkiRyH2t180TsAfB_6zcwNor-AHfo6eMgmoRvOw_96MuyyRpY1 O RATIOS AND PERCENTAGES Converting between percentages and decimals... (2) Consider an interval I = [a, b] and a function f that is continuous on I. Assume that f is not bounded on I. (a) Use the fact that f is not bounded to prove that there is a sequence (In) in [a, b]... Three siblings Sofia, Achaiah and Riana. Sofia gave Achaiah and Riana as much as each had. Then Achaiah gave Sofia and Riana as much money as each had. Then Riana gave Sofia and Achaiah as much money ... Please provide a proof for the following question – make sure to answer all parts(a, b, and c). I will upvote!. Consider the following proposition. Proposition. Let a, b, cE Z. If cla and clb, then cl... For the following set of points, find out the correlation-factor r, the equation of the optimum line including the slope : (1, 3)(2, 7), (3, 5), (4, 9), (5, 11), (6, 12), (7, 15) Carolina Airlines, small computer airline in North Carolina, has six flight attendants that it wants to assign to six monthly flight schedules in a way that will minimize the number of nights they wil... Suppose that f(x) and g(x) are irreducible over F and that deg f(x) and deg g(x) are relatively prime. If a is a zero of f(x) in some extension of F, show that g(x) is irreducible over F(a). Problem 10. (12 points) Let y -2 and u = i – (a) Find the orthogonal projection of y onto u. projuy = (b) Compute the distance d from y to the line through u and the origin. d = Note: You can earn par... A new kind of typhoid shot is being developed by a medical research team. The old typhoid shot was known to protect the population for a mean time of 36 months, with a standard deviation of 3 months. ... For a certain company, the cost function for producing x items is C(x)=50x+150 and the revenue function for selling x items is R(x)=−0.5(x−90)2+4,050. The maximum capacity of the company is... Beth has just received an inheritance of 400 000 dollars and would like to be able to make monthly withdrawals over the next 15 years. She decides to an annuity that pays 6.7 % compounded monthly. How... Any thoughts?. A population of 200 rabbits decreases 7% every year. Write the constant ratio for the relationship. Constant Ratio (R): please help i don't know how to write in the way shes asking . 6 —1 6 Use the row operations method to find the inverse of the matrix A = 15 _1 fl . Give your answer exactly or to at least 3 deci... There are approximately 2.7million births in a country each year. Find the birth rate in units of births per minute. Sir i am stuck for this question . (a) Symbolize the argument in sentential logic using the letters provide (i.e. A, B, C, D). "Unless both Apple and Banana are sweet, Coconut is sweet. Only if ... . 1. A linear filter of one random sequence { X, } into another sequence {Y, } is Y, = _a, X ,-s. S=-00 The Filter Theorem: Suppose X, is a stationary time series with spectral density fx (w). Let {... A concrete mixture contains seven parts of ballast, four parts of sand and two parts of cement, all by volume. a. Determine the percentage of each of these three constituents. b. Determine the amou... Could you please follow the graph data below and use it to write paragraphs about technical memo addressing each of the client's questions?   2) Address the client's questions in a technical memo... Five baseball teams compete with each other over a season of 60 games. Hence, each team plays 6 times against each other team. Suppose that each team has played with each other team 4 times, and ov... Use graph theory to explain answer. – Given below shows which container cannot be together/shipped together in same truck. Question: how many least number of trucks to ship the 7 containers. Which con... ACTIVITY Direction: Answer the question with complete solution. Thank you.   Solve the given congruence equation and determine whether it has solutions or none. 5x+1 ≡ 3mod5 (Note: If you cannot... 2) (6 points) John and Anne want to calculate $4.23 + $1.97 by first calculating $4.23 + $2.00 = $6.23. John says that they must subtract $0.03 from $6.23, but Anne says that they must add $0.03 to $6... Help 6-8. Use the following information to answer questions 6-8. Over the coming year, Jim and Iona want to save $5000 for a vacation. Their total net income is $65 000/year. They earn about $75/month... The table below shows which hand is favored by each person from a sample of 100 people (50 male and 50 female). Use the information in the table to answer the following questions. Leit-Handed Right-Ha... Could you please draw a graph and fill out the chart according to the procedure? Thank you, I struggled all day...... Adding and Subtracting Vectors Investigation On graph paper, you will be adding a ... Question 12 of 20 Payments of $1,500 in 1 year and another $2,400 in 4 years to settle a loan are to be rescheduled with a payment of $1,000 in 20 months and the balance in 27 months. Calculate the pa... eBook Show Me How E Print Item Issuing Bonds at a Discount On the first day of the fiscal year, a company issues a $8,600,000, 9%, 9-year bond that pays semiannual interest of $387,000 ($8,600,000 x 9... Perform the following computations (i) exactly, (ii) using three-digit chopping arithmetic, and (iii) using three-digit rounding arithmetic. (iv) Compute the relative errors in parts (ii) and (iii). ?... Find the derivatives of the following functions. (a) f(x) =-0.2/x10 (b) f(x) = IVT. Prove that if F(V,E) is a bipartite graph, v E V, and p is a path in F(V,E) which starts and ends at v, then p has even length. Final Project Use SENTENCING.XLS. A codebook with description of the data is on the last page of this document. Note: 1. Read each step carefully. 2. You are expected to use Excel to conduct appropria... (1) Reminder: a function T : X → X is c-Lipschitz if d(T(x), T(y)) ≤ c ·d(x, y) for all x, y ∈ X. If a function is c-Lipschitz for some c, we say that f is Lipschitz. (a) Show directly by the... 1) a) Explain why this equation x² – x – 2 = 0 can be written in the following alternatives forms : x² = x + 1   (x – 2)(x + 1)=0   (x – 1/2) – 9/4 =0 Which val... QUESTION 9 – 1 POINT The minimum wage in 1998 was $5.15 and it was $6.55 in 2008. If minimum wage had grown with inflation, what would have been the expected value in 2008? Round to the nearest cent. ... Could somebody help me by explaining this task in detail? . b) The calculated correlation of the scatter plots in figure 3 are -0.85, -0.19, 0.58 and 0.99. Which one is which? A B C D A B 3 . .. . Consider a set DE Ba with 0 < >(D) < co, a square-integrable function f : D – R, and a sequence (Un)new that is i.i.d. with Un being uniformly distributed on D. Put Ad(D) 1 := f(x) dx, Mn :=... consider at least 3 events or situation in your life. what mathematical patterns are present?. Situations Or Events Numbers Patterns Prove the following argument valid in predicate logic. (It's easier than it looks at first. Use QE among other rules) 1. (x)(Ax) > (3 x)~ (Bx) 2. ~(x)(Bx) > (3x)~(Cx)   /(x)(Cx) > (3 x)~(A... Please correct my answer.. WTW 220 Analysis SEMESTER TEST 1 Page 2 of 8 Question 1. a). Determine whether the following statements are logically equivalent? Please support your answer with explanation... Let X, Y be sets and f: X – Y a function. Define the binary relation ~ on X via x ~x if and only iff (x) = f(x'). Prove that ~ is an equivalence relation. business mathematics. Question 9 (1 point) Since Fixed cost is constant, however, no matter what the output level is, fixed cost per unit will remain same. True False the population of mumbai was 6,00,000 at the end of the year 2000.the number of immigrants is 20,000 at the of the year n. the population of the city increases at the 5%rate per year. using recurrence... . For problems # 11 -12, Let A = { 0, 2, 4, 6 } B = { 1, 3, 4, 5} C= {1, 3, 5, 7,9} 11. AUB = ? 12. (AnC) UB = ?. 13. How many 3 digit permutations are there 14. How many 4 digit sequences are there... Help plz. recall that a nonlinear program takes the form min f(x s.t. gi(x) <0, ic {1, ..., m} , for some functions f, 91, . . .,Jm : R" -> R. Now, consider the following integer program: (I... Hi there please show me all the steps thank you . Q3 (c) [5 marks] Is the following system linear and time invariant? y (t) = |x(t)| Show all work. One word answers will not receive any marks. (a) Determine the nature of the PDE −uxx + uxy + yux = 0 and bring it to canonical form by applying a suitable variable transformation. (b) Hence obtain the general solution to the PDE of part (... A town has been using a recycling plan for three years. The second year of the plan saw an increase in recycled tonnage of 25% over the first year, and the third year saw an increase of 20% over the s... Investigate the stationary temperature distribution T(r, 4) in the beam (cross-section:0 Er a, 0 < < a), where the surface r = a has the temperature =To (const.), while through the surface ... Be sure that you show all of your work to reach your answer. Method to reach your answer must be clear and include explanations.   1. In 2017 the state University's men's basketball team finished t... We consider the following symmetric positive definite matrix A E R4X4 Co -6 8 0 -2 A = E R4x4 3 6 6 N (a) Calculate the matrix factor R of the Cholesky decomposition A = RT R by using the formulas ... FULL WORKING OUT PLEASEEE!!!. Section 3 Part C Three tanks A, El and C are used to mix two chemicals. Tank A holds chemical A, tank B holds chemical B and tank C is used to mix the tvm chemicals to cr... Question 1 Using the principal branch of the log function, the imaginary part of (1 + i)' is (a) In(v2) (b) v2 (c) e-#/4 In v2 (d) e-#/4 cos(In v2) (e) none of these Question 2 Recall that as discusse... what is the answer of this? it's all about rational functions. S 4vx+1 B(x) = 23 -1 Choose the correct financial calculator input to calculate the loan amount of with maturity value of $6589.22 after 3 years at 4.4% compounded semiannually. help me please. The dilation centered at S with scale factor NI – P Q 19 R O Can you please rewrite all the questions using pascal's formula. Practise A 1. Rewrite each of the following using Pascal's formula. (q 43 C 36 a 17 Cu d) C5 32 CA+ 32 C) n+1 f) C + C C10 + 159 n n r... Sir i am stuck for this question . 2. Find the Fourier series expansion of the following functions. In each case, sketch the function. -10, -5 <x<0 a. f(x) =1 3, 0 < x<5 ; period=10 b. f(... 1) A mail-order company shipped a package that weighed 73.87 pounds. What is the place value of the underlined digit in 73.87? A. hundredths B. tenths C. ones D. tens . preview ans Problem 16. (6 points) the matrix A = -1 5.25 3 has eigenvalues X1 = -4.5 and 12 = 0.5. The bases of the eigenspaces are v1 = _3.5|and v2 – [15] , respectively. Find an invertible matr... Calculate by hand the appropriate truth table to prove the following logical equivalence -(p - r)v-(pvq) # -[p-(qr)] Explain why your truth table shows that this proposition is valid. (As a voluntar... The graph of the function y=f(x) has been transformed by a series of stretches and/or reflections. Describe the transformations that occurred to transform f(x) into g(x). y = f (x) 2- 6 4 2 0 x -2- What do you think is the significance of paying attention to the patterns of nature and studying about these exceptions? Which do you believe in – Mathematics is invented or discovered? Provide three ... |. Let f(t) = sin(t) for te [7, -]. Compute |Ifllz:, IIfllzz, llfilo. 2 . Solve T1 = 4 b Using the projection theorem. N Solve)(2) 61 19 09 = b2 A b where b1 = 4, b2 = 3 using the projection theorem 28:04 QUESTION 5 . 1 POINT A college student takes the same number of credits each semester. She had 5 credits when she started, and after 3 semesters, she had 26 credits. Which of these expresses the... ~ 1 hour O QUESTION 20 . 1 POINT The budget for Ohio is 69.1 billion dollars with a population of 11.7 million residents. a. Calculate the budget per capita and write your answer in standard notation.... Use the present value formula to determine the amount to be invested now, or the present value needed. The desired accumulated amount is $70,000 after 12 years invested in an account with 3.4% interes... nSheet Help | Mohammad Jowkari Gradebook Remaining Select the comect loops to simplify the given function in POS (product of sums) form: Note: | jo select loops then wrap around the edges of the table... grade 12 advanced function.. THINKING : PROVE THAT IF fix = 2- 2093 THEN f"(X) = 3- log , K Homework Help, please! what's the derivative ? In (x) don't S- melky . Make User Journey Mapping for students when conducting online lectures through the site. User Journey diagram according to the template below: Follow up from customer Navig... Sir i am stuck for this question its clear. Lot ((x.y.z) = In (x" y z) and P = (1. 1. 1). Here "a" and "" are non-zero integers. (a) Find the gradient of f at the point P. You... The following table describes the steps. XXX 12 The following table describes the steps involved in producing a movie: Activity Description Obtain script from writers Duration (Days) Obtain equipment ... hello i really need help on these transformations sums. 7 A -3 0 (a) Draw the image of (i) triangle A after a reflection in the line x = 0, [2] (ii) triangle A after an enlargement, scale factor 2, ce... Sir, I am stuck on this question Sir, it's a humble request please step by step and double-check if I put even a single point wrong they consider wrong. (2 points) A firm's production function is gi... Please provide Handwritten answer. Are formulas of the following form generally valid, satisfiable but not valid, or unsatisfiable? A) [(x'OV > ((‘x)VICAXA Help wanted. Here is a data set: mam– mm 398 196 162 EYE: The goal is to construct a grouped frequency.r distribution table {GFDT} for this data set. The I(EFD'T should have 10 classes with a "n... A student snapped his/her fingers for 30 seconds, rested for 5 seconds, and then snapped again for 30 seconds. He/She did this every day for a week and the following data were generated: 1. In what wa... Explain it well. What Is Simple Interest? Simple interest is a quick and easy method of calculating the interest charge on a loan. Simple interest is determined by multiplying the daily interest rate ... Solve for the slope of the line. cross out each box in the rectangle that contains a correct answer. when you finish, write the letters that were not crossed out in the space at the bottom. ksik ayo t... A firm's bad debts of $7875 were 2-% of sales. What were the firm's sales? The firm's sales were $ (Simplify your answer.) Determine the equation of the sine curve y = a sin [b (x-c)] + d with a minimum point at (150 degrees, 6) and its nearest maximum to the right at (180 degrees, 12). The order calls for 50 mg of oral medication. Which dosage strength should the nurse choose? A. O 25 mg per tablet B. O 12.5 mg per tablet hs C. 75 mg per tablet D. O 10 mg per tablet E. O 125 mg p... What is the answer. If the trend continues, which age group of workers will increase the most between 2012 and 2024? US Labor Force by Age in 2000 US Labor Force by Age in 2012 O A) 25 to 34 year-old ... Sue invests $1000 at 4.8% compounded semi-annually for five years. The values of i and n, respectively, in the formula are: Sean invests $2000 at 6% compounded quarterly for three years. Find the amou... The graph gives the volume of water, in litres, in a container at time t seconds after the water started to flow out of the container. 50 40 30 Volume (litres) 20 10 10 20 30 40 50 60 Time (t seconds)... Please slove This question. Section 15.8 Follow-up Exercises For Exercises 1-30, (a) find f'(x) and f"(x), (b) evaluate f' (1) and f"(1), and (c) verbalize the meaning of f'(1) and f" (... help would be appreciated. . North Platt Machinery Company manufactures a shaft that must fit Inside a sleeve. The firm has just received an order of 48,000 units from Southernstar Exploration Compan... Solve the equation Z 2 + 3 − j = 0 for the general form Evaluate the value of z in cartesian form for K=0 and K=1. Given Z 1 = 2 + 2 j and Z 2 = 1 + 4 j . Find Z in cartesian form wher... A $160,000 mortgage was amortized over 10 years by monthly repayments. The interest rate on the mortgage was fixed at 5.80% compounded semi-annually for the entire period. a. Calculate the size of the... I need help with my math problems. w playing.. Thisissand Decimal Number Order Place 2.456 32 2402 57 362 64 3,019 06 1.985 67 in Meghan made the above chart What is the correct order of the decimals ... The flash of lightning travels at the speed of light, which is about 186,000 miles per second. The sound of lightning (thunder) travels at the speed of sound, which is about 750 miles per hour. Suppos... A company has been receiving complaints about the attitude of some sales clerks. Over a six-day period, the number of complaints received each day is given below. (Round all final answers to 2 decimal... Suppose both s:A–>B and r:B–>A and s':A'–>B and r':B–>A' split the same idempotent e (e:–>B). Use these arrows to construct an isomorphism f:f :A–>A'. Let 1"(V,E) be a connected graph and dv the associated path distance function. (a) Prove that d(v,w) = d(w, v) for all v,w E V. (b) Prove that d(v, w) > 0 if and only if v aé w. (c) Prove th... Can you double check my work? Part C asks what is the net rate of markup based on total cost? Part D asks what is the net rate of markup base on total sales?. Question 10 of 10 Circut World purchased ... Sir i am stuck for this question . There are some goats, cows, and sheep on a farm. % of the animals were 900:: There were 3 times as many sheep as cows. If there were 45 more goats thar can: how man... ASAP PLEASE. 2. (10 pts.) Find the volume of the region obtained by revolving the area above graph of f(x)= x2+1 for 0< x < 1 and below the line y=2 about the line y=2. You must be present in the Zoom lab session while completing this assignment. 14(3 – x) if x < 3 1. [5 marks] Consider the function f(x) = a2 + 2- 12 -4 if x > 3 V3x + 7 (a) Find lim f(x) and li... solve step by step with reasons and explanation. Find the radius of convergence and the interval of convergence of the series n 00 (1): 2:5″: (11): 2% (III): 2% n=0 Number of ways 5 men and 2 women can be chosen from a group of 70 people Can you help with this question?. Question 5 of 10 A payment of $23,000 is due today. What three equal payments, one in 2 years, one in 4 years, and one in 6 years, would replace the original payme... The sample consists of five numbers: x 1 = 3, x 2 = 3, x 3 = 5, x 4 = 6, x 5 = 8 The mode equals Study Paths Diagnostic Diagnostic Graphing Progress: Question ID: 135004 All held questions will be shown to you again at the end of this test. You have held 6 questions so far. Orlando bought a new c... At sea level the weight of the atmosphere exerts a pressure of 14.7 pounds per square inch, commonly referred to as 1 atmosphere of pressure . As an object descends in water pressure P and depth d... Indicate the most probable final alignment based on the above dynamic programming algorithm matrix. Write out the answer showing the pairwise alignment with the horizontal sequence on the top lin... A $2500 five-year investment certificate earns 4.2% compounded monthly. How much of the maturity value is interest? Select one: a. $583.06 b. $43.75 c. $2543.75 Incorrect d. $3083.06 To determine whether or not they have a certain disease, 130 people are to have their blood tested. However, rather than testing each individual separately, it has been decided first to group the peop... If f(x) = x + 7 & g(x) = 2x – 3, what is f(x) – g(x)? a. -x+4 b. 10-x C. X-4 d. 10 + 3x 9. What do you call a root obtained in the process of solving an equation which looks correct but after a... Please provide Handwritten answer. Suppose that a fuzzy relation R is defined by the following fuzzy matrix corresponding to the sets X = {1, 2, 3, 4} and Y = {0, 1, 2, 3, 4}. X YO 1 2 3 1 0.5 1 1.5 2... Find the inverse fourier transformation of 1/((4+w^2)(9+w^2)) Make an equation using Newton's Interpolating Polynomial using the data's in the table below: Temp. oC Press. bar 90 .7014 100 1.014 110 1.433 120 1.985 A pallet 40″ x 40″ with no overhang being allowed. For a specific arrangement of units for one layer on the surface of the pallet, eight units rest on the pallet surface on the L"x B" side of the unit... Please answer all a b and c. Question 15 (9 marks) Sketch each of the following sets: (a) { z EC : Im(z – i) = 2} (b) {z EC : |z – 1| = |z + il} (c) { z EC: [z/2 -2 Re(zzo) + (zo|2 = R2}, where zo is ... thank you.. Problem 1 Find all positive integers less then 61 having order 4 modulo 61. Problem 2. Let p be an odd prime, and n a positive integer. (1)Prove that every primitive root modulo p" is... I need to solve this in 1 hour hope I can get help thanks!! Question 40 A 14 kg dog needs a CRI of furosemide 5%. The dose will be 0.25 mg/kg/hr. The CRI should last for 8 hours, and the fluid rate is... Let , 7, 0 E R", A, B E Rnx" be symmetric matrices, assume A + B is inve Let f(x) be the sum of two quadratic forms: f (I) = (7- 7)A(I – 7) +(3 – D) TB(Z – Show that f can be written as... Some one help?. 1. Let (So, F, P) be the probability triple, where 2. is the set of all infinite sequence of coin tosses. Recall the definitions of the following sets: AH = {w: w1 = H}, i.e. the set o... Show that the innovations are uncorrelated, that is, for any i * j, Cov(Xit1 – X! j+1) = 0. The generation costs for generator 1, generator 2, and generator 3, are $50/MWh, $70/MWh, and $100/MWh respectively. The generators 1, 2 and 3 have minimum output limits 50MW, 30MW, and 10MW respectiv... Scenario Students pay for their education in a variety of ways. Some pay their tuition and other expenses out-of-pocket. Others receive assistance from their family. Employers sometimes contri... 1 . The Operations Manager is confronted with the following raw data, and asked you as Data Analyst to get insights from it. Apply your knowledge of regression analysis in order for you to derived the... 1) Toss a pair of coins 16 times and record the results in Data Table 3.   . Data Table 3 Number of Coin Tosses Heads/Heads Heads/Tails Tails/Tails Remanning T Select the comect loops to simplify the given function in SOP (sum of products) form Note: To select loops that wrap around the edges of the table, you must select both sections that exten... Which one is the correct choice?. Consider the heat equation Ut = q lupp + (cot p)up] on the surface of the sphere of radius 3, with the initial condition u(q, 0) = 1 – 3 cos(24), the solution is u(q,... The TFR in Japan in 2014 was about 1.4. Imagine that the Japanese population has been stable up to the end of 2014. If fertility were to rise to replacement overnight (i.e. like the Keyfitz scenario... mathematics. Consider the function below. (If an answer does not exist, enter F(x] 4 -4X (a) Find the interval of increase. (Enter your answer using interval notation.) Find the interval of decrease.... A survey of 180 college men was taken to determine participation in various campus activities. Forty-three students were in fraternities, 52 participated in campus sports, and 35 participated in vario... Let sets A and B be defined as follows. A is the set of integers greater than -8 and less than -4 B = (a, c, h, k, q, s, w, y) (a) Find the cardinalities of A and B. X 5 ? n (A) = 1 n (B) = 1 (b) Sele... Un gran estanque es abastecido de peces. La población P de peces está modelada con la fórmula P = 3t + 10²t -900, donde t es el número de días desde que los peces fueron introducidos en el estan... Suzana drives from city A to B . after two hours of driving, she noticed that she covered 80km and she calulated that if she continue driving at the same speed she would end up being late 15minutes ... 1) Using the table provided – write 3 variables for one-variable analysis -For each variable, include what statistical measures can be used to calculate (mean, median, Q1, Q3, IQR, standard deviatio... An experiment consists of choosing objects without regards to order. Determine the size of the sample space when you choose the following: (a) 4 objects from 16 Answer = (b) 2 objects from 20 Answer =... Show the following for the inertia matrix J (Hughes Prob. 3.8) (a) Show that J =-[[r] [r] am (b) Show that J is symmetric and positive definite (c) Show that there exists a basis P such that J = J= d... If Mrs. Harris takes her Ventolin and her Advair together, which one should she take first, and why? Daniel is saving up money for a down payment on a motorcycle. He currently has $3507, but knows he can get a loan at a lower interest rate if he can put down $4280. If he invests the $3507 in an a... Quiz: Quiz 9: Percent (4.3 – 4.4) Question 10 of 12 This quiz: 12 point(s) possible This question: 1 point(s) possible O Submit Quality Homes Construction Company orders only lumber that is at least 6... using product of generation functions of Bessel function, prove the following identity:. boundary of integration!) (Problem 16.1) Use the product of the generating functions g(x, t) and g(x, -t) to sh... Future Value = $2,190.44 Interest Amount = $70.44 Interest Rate = 4.89% of Do not include the $ sign in your answers.) estion Principal = You must decide if the answer if the answer should be expresse... ', '~_/ 3 ~ ' x W'y 5m 611] A tension force of T = 70 kN is applied to cable AB. Calculate the moment about point 0 due to the force T. Express the result in vector notation.. Part Descriptio... Let X, Y be sets with A, B C X and C, D C Y. Prove or disprove that (A UB) X (CUD) = (A X C) U (B X D). Consider a polynomial of fifth degree p(x)=Subscript[a, 5] x^5+Subscript[a, 4] x^4+Subscript[a, 3] x^3+Subscript[a, 2] x^2+Subscript[a, 1]x+Subscript[a, 0]. Then, consider the polynomial q(x) related ... Indigo Depot is having a clearance sale of their fall items. A jacket that originally cost $140 $140 before any discount is on sale for 15% 15% off. If the jacket is then put on clearance for a... Q7. Problem 7. (9 points) Consider the ordered bases B = for the vector space IR2. a. Find the transition matrix from C to the standard ordered basis E T = b. Find the transition matrix from C to B. S... A random Sample of 50 observations of the mileage per gallon (mpg) for a particular bran of gasoline is shown: 33.2 29.4 36.5 38.1 30.0 31.8 29.2 28.6 27.5 28.5 29.1 32.2 29.5 36.0 31.5 30.8 31.8 29.1... Question 4— 15 marks Given the hypotheses below HE pt 5 Bill] HA: :1 2::— Zilfl a} 1What is the test statistic for sample of size 55, mean EDT and standard deviation of A. {10' marks} b} At Alpha... Assume that we have two functions using function overloading like below. This is valid in C++. double average (double n1, double n2, double n3) {   return ((n1 + n2 + n3) / 3.0); } double ... In this question you will revisit the MAP estimation from lecture in which you received genotype data J1, ..., J". J E {{0, 1}, {1,2}, {0, 1,2},0, 1, 2} Given that your current guess for the SNP ... Subject :- Mathematics please do this in Matlab software. Instructions: Write the code of the given problems in Script File and then copy the code on the LMS assignment module directly. Also copy the ... I need a brief rundown of conversions: Fahrenheit to Celsius, vice versa. Examples are cool too. (2) Here is a group which you should know about, but which we haven't discussed yet. It is called the quaternion group, and is described in Example 3.15 of the book. As a set, we have Q8 = { +1 , +1, ... The town savings and loan association granted carissa a loan that has a maturity value of Php 1,920.00 which bore an interest of 14% for 2 years. what is the principal amount of the loan? ECON 3350 Problem Set II – Page 3 of 5 9/23/2021 (c) (15 points) How does the nominal interest rate R react to an increase in f, in the short run? 2. (20 points) Graphically depict the short run respo... (12 points). Let A = {a, b, c}, and B = {3, 4, 5, 6}. (a) Find the total number of relations from A to B. (b) Is the following relation, a function? Why? R = {(a, 4) , (b, 5) } (c) If there are 243... Refer to the following spreadsheet.   Where is the objective function located? A) B2:C2 B) B4 C) C4 D) D4 E) F7:F8. A B C D E Luxury Basic 2 Units Produced 90 75 Total Profit 4 Unit Profit S 3.00 ... Determine the monthly payment for the installment loan. Annual Number of Amount Percentage Payments per Time in Financed (P) Rate (r) Year (n) Years (t) $900 4.5% 12 2 Click the icon to view the parti... Critical Thinking WHAT I CAN DO A. Which of the following is quadratic equation? For those that are, identify the value of a, b and c. 1. x' – 6x + 2 = 0 6. (x – 1) (x + 2) = x(x + 5) 2. 3x + 5 = 0 7.... fred borrowed money 18 months ago at 12% componded semi anually.he now owes a total of $5,450. How much of this is interest? I dont understand. 7 Sue got 48 out of 60 questions correct on a quiz. What percent score did she get? Perimeter. umber. Do not include units in your answer. 18 ft 10 ft 10 ft 8 ft Please provide Handwritten answer. Advanced Math Show how the theta expansion was done . Provide a written response the defines the following models for teaching decimals: base-10 block set decimal square model metric-length model money model pocket chart Need help with problem sets. The boxplot below shows salaries for Construction workers and Teachers. he boxplot below displays ratings for TV shows during sweeps week: alculate the sample standard dev... The delivery person stopped on the 14th floor to talk to a friend. Before stopping, he had just made a delivery 4 floors above. Before that he made a delivery 6 floors below. Before that he had made a... Engineers must consider the breadths of male heads when designing helmets. The company researchers have determined that the population of potential clientele have head breadths that are normally distr... Consider a pile group consisting of three piles arranged at the vertices of an equilateral triangle. The total load S is initially distributed evenly over the three piles (each pile carries initially ... A student-faculty government committee of 4 people is to be formed from 20 student volunteers and 5 faculty volunteers. a. If one person from the group of volunteers is chosen at random to draw the na... If a sound has a frequency of 263.7 Hz and a wavelength of 1.28 m, how much time does it take to travel 6,286 metres? Give your answer in seconds, with a single digit of precision.   You are on an al... Compound Interest   Question 5 (4 points) Calculate the maturity value: Principal ($) Term (yrs) Nominal Rate (%) Compound Frequency 8,000 5 7.5 Quarterly   Your Ans... What is the type of functions and values of variables? 2.what is the equation of the function shown in the graph 3. what is the of table of values? 4.What scenario could be represented by t... QUESTION 7 . 1 POINT New York City has 1700 parks for a population of 8.399 million people. New Orleans has 391, 000 people. If New Orleans was proportional to New York City in people to parks, how ma... . Recursion: Problem 4 (1 point) Write down the first five terms of the following recursively defined sequence. a1 = -2; anti = -2an – 5 -2 -9 13 -31 57 14-21 Professor Green gives 2-month computer programming courses during the summer term. Students must pass a number of exams to pass the course, and each student is given three chances to take the ex... Consider the following MRP inventory records for two items: Item A LT = 3   Week: 1 2 3 4 5 6 Gross requirement 80 80 80 30 40 Scheduled receipts 130   Projected on-hand 40 1... Review activity 10.02 and discuss how you would specifically implement such an activity in the classroom (virtually or face-to-face). Nine bus stop are equally spaced along a bus route. The distance from 1st to 3rd is 600m. How far is the first stop to the last? answer questions 5 and 6. . E v webassign.net C + Homepage – City College.. Essay 3 – Google Docs N Netflix B Quiz List – Fall 2021 HIS... B Fall 2021 ECON 201 D H... x Homework 7.4 – Math 14... *Cou... filled in the difference of each data value from the mean then the squared difference. Question 15 (1 point) Sketch the graph of y = (2x – 1/ Clearly label you axis and mark your scales and intercepts on your graph. Sir i am stuck for this question . 6. [-/1 Points] DETAILS JMODD8 3.2.011. M A jar on your desk contains twelve black, six red, teh yellow, and seven green jellybeans. You pick a jellybean without lo... Question 5 of 20 Side-by-Side Your company produces a sunblock lotion designed to Calculate the test statistic. Give your answer to two protect the skin from both UVA and UVB exposure from decimal pla... Solve the initial value problems: (a) 2-y= -eazy' , y(0) = -1 (b) (2xy – 3×3)do + (x- – 2y)dy =0 , y(0) =1 In a hospital maternity ward there are only five babies. Baby 1 is heavier, with red hair. Baby 2 is male and thin, with the same colour hair as Baby 3, who is blonde and wears a bonnet. Baby 4 is one... = Quiz: Quiz . .. Question 8 of 10 Submit This question: 1 point(s) possible Determine (a) the area and (b) the perimeter of the quadrilateral. Note that the figure is not drawn to scale 17 cm 23 0 6 ... i am just not sure what to do . Add the following binary numbers 100,000.11 100,011.011 Number Classify the type of linear correlation that you would expect for each pair of variables. a) air temperature, altitude   b) income, athletic ability   c) people's ages from 1 to 20 years, their m... Problem 5 : In a general metric space (X, p): (a) Let F = {Osises be an open covering of X. Let f(x) = sup sup{r : Sir C O s]. SES T30 Show that f is continuous on X. Hint: show that f(x) > f(y) – ... Which of the following matrices are in row-reduced form?. Which of the following matrices are in row-reduced form? (Note: The dotted vertical line in each matrix Should be a single vertical line.) I_0... La Unipanamericana desea dar como estímulo una beca completa y media beca para el pago de matrícula a dos estudiantes que hayan obtenido promedios mayores de 4.5; si para recibir este beneficio se p... 0/4 pts 5 2 0 Details Given that f(a) = a2 – 7x and g(a) = a + 1, find (a) (f + g) (2) = (b) (f – g) (ac) = (c) (fg) (ac) = (d) (ac)= a football is selling for 35% off the original. the original price was 60. what is the sale price of the football?? In a research experiment, a population of fruit flies is increasing according to the law of exponential growth which can be modelled by the equation N(t) = Noek, where No is the initial population... Diga si las funciones son inversas: f (x) = 5x – 9   x+9 g (x) = ———-   5 it's grade 12 advanced function. logs!. 2 1 EVALUATE EACH EXPRESSION (SHOW YOUR WORK!) 2 a) log 64 6) 809 0.25 0) 20g,16 -d) 7 576) 36 5 Z 2 Suppose we have an object under the influence of gravity described by the partial differ- ential equation: 5 +91% = I), a{1:,0) = f(:1:). (a) Obtain the solution u(:1:, t) in terms of the generic ini... what is the answer?:/. 1. Calcule x + y + Z Si xyz – ab7 – zyx ; CA xyz -CA zyx – 729 A) 20 B)18 C)17 D)21 E) 19 add the following two's complement representations.use 8 bits in your answers.. (optional) Remaining Time: 02 23:06 Add the following two's complement representations. Use 8 bits in your answer ... Find the length 01' yr in the following diagram. You can cheese to label the triangles. [2 marks] lint 4. Fer the following right angle triangle. determine the AB using anyr ef the trig raties stud... WHAT ARE THE IMPLICATIONS OF THE ASYMPTOTIC DISTRIBUTION OF THE NORMAL CURVE FROM THE PERSPECTIVE OF DATA SCORES . (3) [~Ash 6.2.3] Let f(x) = r', and define a as follows: O. I <2, 1, 25r <3, r23. 100 Find f fdo. -1 Solve the following problem.. 10. Find a simple formula for the number of set partitions of the set {1, 2, . . . , 31:} into 3 blocks with n elements each. (We don't care about ordering of the block... you purchase 75 shares of stock at $124per share. the next day the stock drops 6%; however, a week later it increases in value by 7%. if you immediately sell your 75 shares, how much will you lose or ... Sir i am stuck for this question . f(x) =(3x – 2) (2x + 1) (x- 7) For the given function: 1. Determine the domain 2. Determine the range 3. Determine intercepts I 4. Determine the dominant term 5. De... Suppose that   X = [X A , X B] is a full-column rank matrix. Show that P (X) = P (X A) + P [M (X A X B)] . P is a projection matrix (i.e., hat matrix), and M is a re... Question about Span R3 and gram-Schmidt process. 3. Consider v1 = 1 , 2 – { and v3 = in R3. i. Check that span {v1, v2, v3} = R3. ii. Transform {v1, v2, v3} into an orthonormal set of vectors using Gr... Please show all work!. Let X ,Y he sets and f: X —> Y be a function. Prove that if f is not injective, then there exists AB C X such that f(AflB) 72f(A)flf(B). 2 . Find an equivalent fraction for 8/16 with a denominator of 8. Practice midterm, no solutions, any help appreciated! . 6. (2 points) Suppose we are writing an integer program, we have a binary variable y E { 0, 1 }, and an integer variable x E Z. The integer pro... Assignment 15.5 Green's Theorem Progress saved D Score: 5/40 1/8 answered Question 1 < > 0/5 pts ' 655 Evaluate oxy da + x'dy, where C is the rectangle with vertices (0,0), (3,0), (3,1), and (0,... how to answer. Information Sheet UC2.1 SUBSETS OF REAL NUMBERS ing Objectives: eading this INFORMATION SHEET, YOU MUST be able to: Demonstrate how sets of real numbers work Discuss the sets and subset... Asap Please . Ha (iii) The chemical formula for water H2O can be represented by the graph We have two hydrogen atoms and one oxygen atom. Hydrogen has valency (or degree) one and oxygen has valency ... Please provide Handwritten answer Use thomas algorithm to solve the system. Clearly stating steps O.01 c. In the United States, school buses are restricted to no more than 45 feet in length. Was the whale shark longer or shorter than the maximum school bus length? [1 m = 3.28 feet] Show your work.... 1) Explain, making reference to operations on sets, why the statement "He plays soccer or rugby and cricket" is ambiguous. Find and classify all singularities of the following functions. Be sure to justify your answer   f (z) = z 3 (z 2 + 1) e − z and f (z) = z s i n z z + 1 Solve x(k), if the difference equation is given: x(k) – 3x(k – 1) + 2x(k – 2) = e(k), where e (k) = 1, k = 0,1 0, k > 2 x(-2) = x(-1) = 0 A Cylindrical tube is made by folding the outer edge of a circular piece of material with a radius of 40cm. How many cm the outer side of the circle should be folded so that the cylinder volume is the... Step 2 Continue to simplify by evaluating each factorial. Recall that n! = n(n – 1)(n – 2) . . . 1. 6! 6 . 5. . 3 . 2 . 1 3! 3 . 2 . 1 Therefore, P6,3 (1) Solve the following problem by the decomposition technique using two con- vexity constraints: + 3×3 12 max 3×1 C3 + C4 s.t. 2×1 – 4×3 IVIAIAIAIAIA OAOIN 3×1 '2′ 1, (2) Apply Bender's decomposition... 5X 3. Given: KL = 3(PM) Substitution 5x = 3(2x – 4) Property a. 2 2x 4 5x = 6x – 12 b. 1 -X =-12 C. x = 12 Note: Show complete/detailed computations (Excel, Matlab, or hand/long computation). Decimal values should be up to 4 decimal figures.   . Problem: The velocity of a moving particle was recorded ... The original zombie population was 5 zombies . These zombies have the power to turn 4 humans per day . Complete the following table below to show what will happen during the first 10 days... please help. Confidence level| Critical value 0.90 z* = 1.645 0.95 z* = 1.960 0.99 z* = 2.576 359860.2293334.qx3zqy7 Start In a poll of 1000 randomly selected voters in a local election, 885 voters we... Question 1: Consider the following sets: (a) A = {(11, 12) ER' : [mi| + (12) <1}; (b) B={rER' : Onmrs}; (c) C= {me R3 : 12 < (1)"}; (d) (Bonus question) D = {($1, 12, Is) E R3 : Qla For eac... A small toy rocket is launched from a 12-foot pad. The height (h, in feet) of the rocket t seconds after taking off is given by the formula h = – 2t- – 2t + 12. How long will it take the rocket to hit... Need assistance with Math task. Written Homework 1 Math 207 1. a) Show that the function y = Csin (x) solves the differential equation x- d'y_dy + 4x3y = 0, where C is dx2 dx any real-valued constant... A mining company is going to continue operating in a certain area for the next five years. There are four mines in this area but it can operate at most three in each year. Although, a mine may not ope... Calculate the latitude and longitude angles for the following Cartesian coordinates. a.) (x=-2, y=7, z=-1) b.) (x=5, y=-1, z=3) i will upload this question 3 times then you can paste same answer there so it will treated as 3 questions please solve complete question on page with clear handwriting   . Q4. Support Vector Mach... In the graph to the right, is A, C, B, D, F, E a path? A B D E F The qualified applicant pool for three management trainee positions consists of eight women and six men. 364 (a) How many different groups of applicants can be selected for the positions "b) How ... Game theory assignment: For each scenario, draw the game tree, circle the preference branches, circle the Nash equilibria, and answer the questions. Before working on the problems, ask yourself: who a... A patient weighing 119 lb and 14oz is receiving 120 mg of medication in 200 mL of solution. The drop rate is 30 gtts/min with microdrip tubing. How many mcg/kg/min is the patient receiving? Conditional Value-at-Risk investing In this problem we want to solve problem max, ux, s.t. CVaR(x) 5 7, TEX, where X is a suitably defined feasible set of portfolios.. {a) Wealth managers are typic... In a stock, the current stock price is 90. The stock pays dividends continuously at a rate proportional to its price. The dividend yield is 5%. The stock's volatility is 15%. You use a three-period fo... QUESTION 5 . 1 POINT Your company provides a 50% matching toward your retirement. If you deposit $200 each month into a retirement account with an APR 5.99%, what would you type into Excel to find the... Let's do some reverse engineering. In the first part of this question, you will write a "problem statement" for a given LP model. In the second part, you will be challenged and surprised by ... Dada la funcion f (x, y,) = a + xy + y' + 2y. del punto (0, -1) es un minimo? Cuanto debes ahorrar al final de cada trimestre en una cuenta bancaria que paga el 4% anual, capitaliza le trimestralmente, para que al cabo de 2 años puedas dar el enganche de un carro $45000 Give a recursive definition of a sequence an, n 2 1, where an = 5n – 7 2. Let E be the alphabet E = {0, 1, 2, 3, 4}. Then using Definition 1 of section 5.3, (a) Give a recursive definition of the s... In a class of 55 students 21 study physics and 24 study geography and 23 study economics and physics if x study all three subjects and 2x study non find the value of x,the number of students that stud... business mathematics. UNIVERSITY Tugas Kelompok ke-1 ONLINE LEARNING Week 3, Sesi 4 1. Current ratio dari produk Precision Machine adalah 3,8. Jika current asset perusahaan adalah $ 570.000, Berapa cu... a continuación se muestra un ejemplo de cómo realizarlo: . Dadas las siguientes matrices de transicion (de un paso) de una cadena de Markov, determine las clases de las cadenas de Markov y si son r... Create a children story, or fairy tale, etc,.. with these math principles: Other Problem Solving with Combinations Permutations with identical objects Pascal's triangle Probability & Counting The ... Please provide Handwritten answer. 13) Find the normal equations of the best fit of the form y = + Dx2 (Only find the normal equations, Don't solve) please help. 14. Determine if the following scenarios would have a cause-and-effect relationship. Explain. (6 marks) a) Toronto's temperature goes up and then the world stock market prices go up the s... please help with 3.2 and 3.3. 3.2 Explain how learners could use mind maps as part of the cognitive learning strategy to illustrate their understanding of place value. 3.3 Content knowledge alone is n... Sir i am stuck for this question . "Everybody comes here. Someone does not go there. Therefore, if anyone comes here, then s/he does not go there." (a) Put the above argument into standard ... If she sells $25 000 worth of goods, how much commission can she expect to receive Beskou die funksies / Consider the functions f (x) = xcos(v2x) en – and g(x) = -xIn(3x). Tensy anders gespesifiseer, gebruik die snylynmetode. 1 Except specified, use the secant method for approximati... QUESTION 3 . 1 POINT Sarah will ship packages for anyone. She charges $4 for her services and then $3.50 per item. Put the pieces together to write the model as y = mx + b. (Do not use $ in the equati... You took out a $ 15000 loan for graduate school with a 6.5% annual rate. How much interest will accrue over 3 years? Delapan tahun dari hari ini, Pak Johan akan pensiun. Di saat itu, Pak Johan akan menerima uang pesangon sebesar 600 juta. Alih-alih menerima pesangon, Pak Johan setuju menerima 100 juta sekarang, 200 ... Consider the following 2-variable linear program ???????? ? + 2? ??????? ?? ? ≤ 6 ? ≤ 4 3? + 2? ≤ ≤ 17 ? — 8? ?... Una empresa tiene la siguiente función de costos, donde x representa el número de unidades fabricadas, determine cuantas unidades deben fabricarse para minimizar su costo, especifique el costo total... convex. Question 1: Q1.a Formulate the dual problem. What is the optimal value? Does the duality relation hold (provide arguments)? For each chosen problem in the following sections, identify at least one fallacy and explain in detail why the fallacy leads to a contradiction. You must identify a fallacy, not merely a contradiction... Hi I really need help if possible, ill be sure to leave a rating! I really appreciate it :). The data represents the heights of eruptions by a geyser. Use the heights to construct a stem and leaf plot... Please provide Handwritten answer. Consider the conformal mapping to : Bug's, 1where a = I + 5:1; is a complex variable. {a} What kind of curves in the s—plane map to straight lines in the w—pla... Make a questionnaire (at least 10 questions) to gather data about the topic Coronavirus pandemic: State the topic chosen & what information you hope to gain by conducting the questionnaire. Give ... Explain this well. 2. A bank offers 0.25% annual simple interest rate for a particular deposit. How much interest will be earned 1 million is deposited in this savings account for 1 yean Given: P = 1,... If the boundaries e = 0 and 8 = n of a semicircular plate of radius 2 are insulated, then we have du de (r,0) = 0 and de (r, 1) =0, 0<r<2 Find the steady-state temperature u(r, e) if U (2, ... Could you help me with this question? Not sure about what the discussion of time-scales? Thanks in advance!!!   . Q1: Consider the logistic equation with a concrete set of parameters p' (t) = 0.1p p... please show all working. Simultaneous Equations inc Quadratic Solve the following 4 pairs of simultaneous equations in which 1 of the equations is a quadratic equation. Questions 1 & 2 are most li... I am dealing with a problem of the predator-prey model with intraspecific competition. The question asks me to sketch different phase lines around different equilibrium (there are three in total). I a... As Nelson is taking a bath, the soap falls out of the soap dish and he steps on it with a force of 450 N. If Nelson slides forward and the frictional force between the soap and the tiled floor is 3... Janet deposited $1200 into an investment fund every month for 20 years to save for her retirement. Throughout the 20-year period, the investment fund paid 5.35% per annum compound interest, compoundin... need help with discrete math... PLEASE ANSWER IN AT LEAST FOUR PAGES   a) Describe the history of the Chinese remainder theorem. b) Describe some of the relevant problems and how the Chinese remainde... 3 friends share a pack of 50 pens equally how many pens will be left over When Diana's daughter was 1 year old,she invested $777 every month until her daughter was 18 years old.the account was left untouched until her daughter was 25 years old.find the value of the accoun... (a) Examine the linear independence and orthogonality of the three vectors, U1, U2, U3 ERS, where U1 = 1 . 12- 1 – and us = . (5 points) (a) Consider the matrix -1 0 0 A = 1 -2 0 2 3 -3 Examine whethe... Please solve the following question.. Following bi-objective problem. min , = sin 0 min /2 = 1 – sine Obtain pareto frontier using; Weighted sum. . Comprimise programming use different n values. Plot ... Two examples of computations of the investments and loans schemes each financial institutions. Show that 1+1/2+1/3+...+1/n =O(Inn) using approximation by integrals. For a list of common integrals, see https : //en. wikipedia.org/wiki/Lists_ of_integrals. 3 5 6 7 7. In the graph shown, f(x) = x and g(x) = log (x+ 3). For what value of x is x = log (x + 3) when x = [-4, 4]? a. x=-2.0 C. X = – 0.8 b. x = 0.8 d. x = 2.0 a+ Select the correct negation of the following statement. Some fellas are lucky Question 7 options: 1) No fellas are lucky 2) Some fellas are lucky 3) Some fellas are not lucky 4) All fellas are... Evening,   I have answers for 4 a,b,c,d and 3, but I need one for 4 i. Please help me with 4 i. Thank you .) Draw a diagram A group of candidates that shows this informa got a chemistry ci... question 1 question 2 question 3. An investment of $2000 is deposited at a certain annual interest rate. One year later, $5000 is deposited in another account at the same rate. At the end of the secon... a pond has 5000 gal of water it loses 1 quart of water due to evaporation. how many minutes it be before the pond is empty? If Sally pays $825.76 every month on a 25 year loan, how much will she pay back in total payments? Please provide Handwritten answer. P7.4.3 In some situations, it is necessary to solve the linear system (A + z/)x = b for many different values of z E R and b E R". Show how this problem can be... We will find

Solve the differential equation Afiyfif) —|— By(t) = 0113(t) fo... x y -1 1 0 2 1 3 2 3 3 1 ______ a) Find the equation of the line of best fit b) Find y when x=1.5 c) find y when x=-2 Homework: Assignment Question 33, 5.2.1 Find the present value of the given future payment at the specified interest rate. $7000 due in 20 years at 5% compounded annually The present value is approxim... I nsightful description of the reason and how you feel about this table. Here is the bullet point that might help: The table for Brian hotel shows several vital details about its production and labo... Huudhf fhfhhhrhrhheh3uruu74c7$(&fhf$'$(طيايا,bc thanks for your help. Question 5 (15 points) A thin wire is bent into the shape of a semicircle x2 + y? = r2, x 2 0. If the linear density is a constant p, find the center of mass of the wire. Note th... A given sine wave signal can be represented by: s (t) = (3 sin (nt +)) /2 Determine the amplitude, frequency, and phase of the signal. [4 Marks] Show all calculations, and draw the sine waves to sh... Here is the glucose.dat data: 86 195 77 165 107 97 83 193 142 128 137 154 189 92 86 99 109 143 149 139 99 100 83 101 87 164 99 140 108 110 79 148 121 158 105 145 79 71 102 119 176 97 129 97 86 125 ... 1.A square piece of cheese covers eight square inches of a plate. What is the approximate length of one side of the piece of cheese? (Approximate to the nearest hundredth inch.) A. 2.81 inches B. 2.82... (1) Find a special solution (ro, yo) of the Diophantine equation 24x + 138y= 18. (2) Solve the Diophantine equation 24u + 138v =0. (3) Solve the Diophantine equation 24x+ 138y= 18 by using the result... Hi there I need help with b (b) Find the measures of variability (range, IQR, variance and standard ... Sir i am stuck for this question . (2 points) A firm's production function is given by q = 162/1/4 + 12k1/2, where q, I, k denote then number of units of output, labour, and capital respectively. Lab... Question 1. If the cost of an asset was $17,000, scrap value is $2000 and estimated life is 5 years. Find the depreciation and book value of the asset at the end of 5" year using the following me... Sir i am stuck for this question. 4. Find an equation for the line through P(2, -3, 0) that is parallel to the planes 2x + 2y + z = 2 and x – 3y = 5. 5. Find an equation for the line through P(2, -3, ... The following distribution shows the ages of two groups of young people who participate in the Addiction Prevention Program. A group attends a center in the Metropolitan Area and the other group atten... The Prevention Service asks you to analyse these results of the survey. State the hypotheses, make a statistical analysis and give your conclusions to the prevention service.. Youth and Tobacco The gr... Solve using Bisection Method.. The saturation concentration of dissolved oxygen in freshwater can be calculated with the equation below where osf is the saturation concentration of dissolved oxygen in... Summary of findings in research. Need help: What do i add in my paragraph? Statement of the problem: What is the students' level of academic stress? Paragraph: In line with the statement of the ... To model migration (change) of credit ratings, transition matrices are used. Transition matrix is an equivalent of a pdf for discrete data. It represents probabilities of change in rating over finite ... how is answer can be 12?. At a secondary school... One-half of the Year 12 students apply for university courses. One-third of the Year 12 students apply for FE courses. None of the Year 12 students a... Need Help With This Hard Question. All changes stired 4. For the three-part question that follows, provide your answer to each question in the given workspace. Identify each part with a coordinating r... Library books at Grande Prairie Regional College all have bar codes. The bar codes have 14 digits, and the first 8 digits are always 3 1847 000. The remaining 6 spaces can be filled by any digits. An ... An ellipse is drawn using the gardener's method as follows. Two pins are stuck on a corkboard through a sheet of paper at a distance of 4 cm from one another and joined by a length of string. A pencil... Question 1: Consider the following sets: (a) v4 = {(31:32) E 132: |331| + |$2| S 1}; (b) B={$ER3: 0<$1 <m2<$3}; (c) C: {1: E R2: 32051) }; (d) (Bonus question) 10: {($1,$g,m3) E R3: W— <... This is the question. Which family of functions does y = belong to? X A Trigonometric C Exponential B Logarithmic D Rational For the game shown below, choose from the options the acceptable integer values of 'x' and 'y' for both players to have strictly dominant strategies. Select the correct option. A company produces three types of building blocks for preschoolers. Recently, the company underwent a major reorganization of its manufacturing facility and a restructuring of its prices. As a result,... The following pattern is established involving terms of the Fibonacci sequence. Use inductive reasoning to make a conjecture concerning the next equation in the pattern, and verify it. You may wish to... please answer question 3abc & question 4 with explanation please.. 3.F1avor Snaps cost $5.78 for 42 oz. Spicy Snaps cost $4.56 for 38 oz. 2) (2 points) Identify the price per ounce for each produc... LetX be the set of strings abcd where a,b,c,d E {0, 1,2, . . . ,9}. (a) How many strings atde in X are there with a % b 7E 6 7E d (all four digits are distinct)? (b) How many strings abcd in X are the... Consider the following set of constraints: -2x 1 +3x 2 =3 (1) 4x 1 +5x 2 >=10 (2) x 1 +2x 2 <=5 (3) 6x 1 +7x 2 <=3 (4) 4x 1 +8x 2 >=5 (5) x 1 ,x 2 >= 0 For each of the follow... Question 1 of 10 How much did Andrew deposit every month in his savings account if he had $11,000 after 30 month-end deposits? The money in his savings account was growing at 3.74% compounded monthly.... Its on swedish. 10. Tva chokladtomtar har samma form men olika storlek. Den stora tomten ar 16 cm hog och har volymen 1 dm' den lilla tomten ar 8 cm hog. Vilken volym har den lilla tomten? Svara i dl.... Let x1 = a+bi and x2=c+di and x1x2 is in the set of complex numbers. Why does x1x2 = 0 iff x1 = 0 or x2 = 0. Why can't x1 and x2 both be zero? Question 3 of 4 Enumerate the Steps of the Polya's Problem Solving Strategy. (2 points each) Answer with text and/or attachments.. Question 4 of 4 Using the Polya's Problem Solving Strategy, find the ... Bring the business section of a major newspaper to class. Discuss the articles on stocks and bonds. 2. Enumerate words in Margin Call which is important on stocks and bonds, define them using any s... [4] Consider the following complex function _ sin[z) flz) _ z(z2 + 100) (a) What are the poles of flz) and what is the order of the poles you have identified? (6 marks) [b] We are given the followin... Please provide Handwritten answer. Question 8. Let f : R' – R3 be f (x1, X2) = (12, 21, "102), and w = yody1 A dy2 + dy2 A dy3. (i) Find f*w by the definition. (ii) Find f*w by propositions. Gillian receives a yearly salary of $78,000 . She is paid semi-monthly , and her regular workweek is 32 hours. a) What is her gross pay per pay period? b) What is the equivalent hourly ra... Part A: Readings on Matrix Calculus In Part A, you are asked to write a brief summary on the topic of Matrix Calculus after you have accessed and read the following references: Matrix Calculus: The... . Suppose you have a 2-class classification problem, where each class is Gaussian. Let 9 = {a,p1, 21,p2,22} denote the set of model parameters. Suppose the class probability p(y|0) is modelled via ... assuming you can produce atthe optimal mix, answerthe following: 1. How many of each product is produced per month and what is the total monthly contribution? 2. A manufacturer otters P10 per hour as ... Part D: Communication 1) a) Match each equation with its graph, and explain how you know. Y = 2* I know this is line because the factor is than 1. Y = I know this is line because the factor is than 1.... Heyy I need really your help with graphing the coordinates on the chart. Assessment Practice 3 3 Graph and label each point on the coordinate plane at the right. (6.NS.3.6b E(-24 -13) F(1.5, -2.75) G... Solve the quadratic equation by completing the square and applying the square root property. 2 x 2 + 6 = 9 x Select one: a. {−9−33√4,−9+33√4}{−9−334,−9+334} b. {-9 – 87−√87, -9 ... Sir i am stuck for this question . 5. [-/3 Points] DETAILS JMODD8 1.3.060. Write the statement in symbolic form, construct the negation of the expression (in simplified symbolic form The freeway is u... Let 12(N) = {x = (In)n21 |In ER and En>1 In|2 < co }. Show that a) If x, yell, (xly) = En>1(Inlyn) defines an inner product on |2. b) If x e 12 , ||x|| = (En>1 (x,|2) is a norm. Hence d... Question 1: For the oral drug dose application we discussed in class, here is a slightly more complex compartment model with drug degradation and intracellularization. Assuming it is the intracellular... A rabbit has been diagnosed with "snuffles," an upper respiratory disease. The rabbit will require the liquid antibiotic Enrofloxacin (22.7 mg/ml) at the dosage of 6 mg/kg. The rabbit weighs 5.2 lb... By graphing only without creating a table of values. find the point of intersection of the following Mo lines. Use the method of the slope and y interoept [4 marks] x+y=5 3x+4y=24 Cash Paid jobs in 3... Login – CVS Health Home – CVS Health In Essay 2: Reverse M.. In Georgia Military Co... G cvs fill Program: Bachelor... time clock wizard @ Dynata – Interviewer @ interviewer.sur... give me the answer. Activity 1 (To be submitted) Determine the unknown sides for each of the following right-angled triangles 25 D 12 cm 50 B (15 em Acly 2 P C 630 AJ 18 cm O 22 cm A B R 3 B 10 cm C 1... Please explain solution. . Which of the following utility functions is not equivalent to the others? (a) U(x) = 2 – 3e-(3+2) (b) U(x) =1-e (correct) (c) U(x) = 1-e (2x+3)/2 resou se (d) U(x) = 1- v... Evaluate l i m n → ∞ ∫ 0 ∞ y n s i n y n d n , where we consider Lebesgue integral. I need help with an application of the revised simplex method please! The Viva Mirror & Deco Company has five employees which makes three different kinds of hand-crafted mirrors: a wood-framed, aluminum-framed and vinyl-framed mirror. They earn RM60 for each wood-fr... question 1. 1.) Benchmark – Major Assignment 3 for Math 144 college math. Question 2. 2.) Technology Assignment 2-7 for math 144 ABC' company's cost function for the next four months is C= 500,000 + 5q. Required: a) The break-even dollar volume of sales if the selling price is Birr 6 per unit. b) What would... Mr. Adkins teaches a Current Events course and is known for making his final exam very thorough. He thinks that with the technology present today, his students should be able to stay current with all ... How can I solve this proble m ? Please write all the steps.. (6) Does G(V, E) in (3) contain a. clique with three nodes? Please provide all the clique(s) if yes. (No mark will be given if any con-act ... Please provide Handwritten answer. Consider the following linear program min -211 + C2 12 + + C5 C'5 + = 12 s.t + 012 12 + 013 03 -I1 + (22 12 023 03 C5 2 0. and an intermediate dictionary given by 52... need help on solving this problem. please show steps on how to solve it. thank you. 2. Suppose y(s) is a unit speed curve in 3-space. surface S in 3-space is said to rectify (or straighten) the curve ... Problem 7. (8 points) Consider the ordered bases B = [:]. [-] andc = 1 2 2 Hfor the vector space RA a. Find the transition matrix from C to B. 88 b. Find the coordinates of u = in the ordered basis B.... harizer |.. New tab StudyGate: Online T.. M (no subject) – jennif.. All held questions will be shown to you again at the end of this test. You have held 5 questions so far. Which of the following is t... Use strong induction to prove that n < 3"/3 for every integer n 2 0. find the cauchy principal value of the following Integral. 2. (Problem 9.25) Find the principal value of the integral, sin T J. (x2 +9)(2 -2) (Don't forget that the residue theorem works slightly diff... 3) (15 points) Solve. (see Illustrations, # 3) A restaurant manager wants to purchase 200 sets of new dishes. One design costs $25 per set, while another costs $45 per set. If she has only$7400 to spe... Sir i am stuck for this question with complete explanation. a. Choose the correct equation for the tangent plane to the surface 2z+2 = 9xey cos(z) at the point P (6, 0, 0) . Click for List b. Find a v... Tir Marvin writes a number that shows Att 21 70 parts out of 100. Select all that could be Marvin's number. 0.07 7 10 70 OOOO 100 0.70 70 10 0.07 MCQ. Question 14 (1 point) Saved Which of the following models is stationary? 1) ye = 2y-1 + up (2) y. = 0.803yt-1 + 0.982y-2 + u. O 3) y. = 0.803y–1 + 0.082y-2 + ut (4) y = -1.01y-1+ ut real-world systems, it will be important to pick domains that make physical sense. Exercise 1.2.5 Give three possible domains for a function defined by the formula g(X) = x-5. Write the argument in Write the name of the standard symbolic form using the form of the argument that was symbols p, q, and r from used. Is the argument valid? above Premise 1 Premise 2 .. Conclusion... STATISTICS Answer the given problem. Analyze what tool should be used. 1. The data in the following table resulted from an experiment that utilized a completely randomized design. Treatme... An explanation for this project. Thanks. Pick one of the topics below for this project. Heights of selected people. Number of credit hours currently enrolled in Number of c... swot analysis on conjectures as appropriate to the situation, are based on well-planned investigations of geometrical properties A group of 50 tourists can choose between visiting the Aero Space Museum of Calgary, the Calgary zoo, or Glenbow Museum. . 27 went to the Aero Space Museum, 29 went to the zoo, and 33 went to Glenbow ... For the following example start node is A and the goal is G. Use Dijkstra Algorithm to solve it. Arrows are showing which cave can be reached from which other cave. For example from B to D is not poss... can you help me?. The first term of an infinite geometric sequence is 4. The sum of the infinite sequence is 200. Find the common ratio Find the sum of the first 8 terms Find the least value of n for ... Bonus: Which box at crackers is the better buy"? Show your thinking. Illustration 11 : Draw a Histogram to represent the following data : Income in < Number of Families 10000-20000 27 20000-30000 30 30000-40000 45 40000-50000 25 50000-60000 18 Solution : Here the cl... Part B: Application Sketch one cycle of the cos function (radians) y = 2cos 3(x – 4)-1. (5 marks) 6 Amplitude: Period: Horizontal Translation: Vertical Translation: Starting points: I dont know what the answer would be. 160.72 : 16.4 160.72 = 1.64 Children need to fully understand place value before they start regrouping. What are two different components of place value that children must learn and understand in order to fully understand place ... please watch the video and answer 8 In the video below, Elliot was given the problem 1½ ÷ ⅓. i) Why did he get an answer of 4⅛, instead of the correct answer 4½ ? ii) Explain why 4½ is the cor... how do u solve this. 12. The table shows the percent of households with Internet access Percent of Year Households for selected years from 2009 and projected through 2015. 2009 67 (a) Find the cubic f... The selling price per unit of a product is $35, the fixed costs per month are $12,500, and the total variable costs per month are $11,900 at the break-even point. What is the number of units required ... It saves the annual-mean temperature (unit: F) of Missouri from year 1997 until year 2016. Column one is calendar year, and column two is the temperature for each year. Calculate the mean, maxim... What principal deposited 3 years ago will grow to $20,155.09 in 3 years and 4 months from now if money grows at 6.44% compounded semi-annually? For my combinatorics class – please include explanation! For an insurance policy issued to (45), you are given: (i) The policy will pay 100,000 at the moment of death. (ii) It will pay an additional amount of 100,000 at the moment of death if death is a... can you please make an example of a program that is round a number and truncate a number and return a double value What's More Exercises: A. Find the equation of the line of the form y = mx + b that passes through the following pairs of points. 1.) (3, 4) and (4, 7) 2.) (8, 4) and (6, 10) B. Find the linear equati... Let 0 be a fixed angle in (0, 7/2). Let & be the straight line on C containing the point e and the origin. (a) Present S = z-1 z+ 1l in the form {x + yil equation(s) on x, y}; (b) then draw the... Question 12, 3.6.25-BE HW Score: 75%, 9 of 12 points Homework: 3.6 Hom... Save Part 1 of 3 O Points: 0 of 1 Next Question Suppose a cost-benefit model is given by 6.1x y= 100-X where x is a number of ... 9) (4 points each) Let U = {8,9,10, 1 1, 12, 13, 14, 15 } and let A = {x | x is composite } and B = {x | xis a multiple of 3} . List the elements of the following sets: a) AnB : b) A'UB': Cake problem: Figure 2.26 represents two cakes of different sizes. Each cake was divided into 12 equal pieces. Marla ate one piece from each cake. What a. Ben says: "Marla ate 24 of the cake ... Sir, I am stuck on this question . Exercises 1. Find all roots for each of the following complex numbers. a. V1 b. -1 C. V1 -i d. B-i e. (-1 + V32) 2. Find all solutions of 23 = -8. Pls answer the following Physics questions:. Question 5 For this question assume that the only force acting on the ball is gravity. A man, standing at a height of49 metres , throws a stone upwards in ... Q1 In the original equation, x? is an omitted variable to be replaced by its proxy X3. Original equation: y = Bo + 1×1 + $2×2 + B3x3 + u Proxy equation: x3 = 6 + 63×3 + V3 a) Substitute the proxy equa... Question 3. (3 Marks) Find the extremals of fo [ic2 + 2x] dt with x(0) = 0 and x(2) = 1 subject to the constraint So adt = 2. . 2. Let n > 1 be an integer. Prove that 99(7),) divides n if an only if n = 2635 for some integers a > 0, b 2 0. A golf ball is initially traveling at 87 m/s [S] and hits a tree to come to a complete stop in a time interval of 0.82 seconds. The golf ball weighs 0.143 kg. Calculate the net force acting on the... can you please help me with this one. Part III Mang Donald wants to include a map of his property in his advertisements. Draw a map to show the layout of his property. Show the following features: a. ... solve 1 and 2 please. PART D: THINKING (Show all your work and calculations.) 1. Solve for x, Final answer to 2 decimal places. 25(125) 2= (625) [4] 2. Solve the system of equations for x and y algebr... Let ? and ? be linear transformations from ℝ3 to ℝ3 defined as follows: ?(?, ?, ?) = (3? + 5? + ?, −2? + ? − ?, ? − ?) and ?(?, ?, ?) = ... Vraag 1 Question 1 an 50 kg hang af dear twee A 50 kg traffic light is suspended by two inelas- lastlese) 21 m kabels wat 'n massa the (not elastic) 21 m cables which have a mass of heter lengte. Die ... Please provide Handwritten answer. 1. (3 points) Let X be a set of positive integers (me.. , T,) and n 2 5. Prove that there is a subset of X for which it is possible to add or subtract its elements ... the following are business....ex[lain all parts its complete. c. Derive the limiting consumption rule c= (1 – B)x = lim M- and the limiting value function lim UT-1(x) = – -In ((1 – B)x) B 1 – B (1 – 3... Recall that a subgraph H of a graph G is proper if H =/ G. (H does not equal G) a) Prove that if a connected graph G is a tree, then no proper spanning subgraph of G is connected. b) [NOTE: Can be sol... Find one possible missing coordinate so 11131 the point becomes a solution to the given inequality. (2,9) isasolutionno 32—6 5y. z=\ @E Show your work and explain, in your own words, how you arrived... (20 points) A nice grandma owns n cats C = {1, 2, ..., n} (yes, those are their names!). One day she gets fed up with her cats and decides to get a magical potion to turn her cats into dogs. She think... Juwan and his friend Jamie are watching their favorite tech penny stocks in the stock market. The initial value of Jamie's stock was $4.00, while Juwan's stock's initial value was $0.00. Because of... can you slove this. (1) Given that 1 = -2, m = 3 calculate the value of Im(m – n) (2marks] (2) If I-PRT/100, find I when P-300, R-$ and T=5 (3) If P = 2(L + w). find P when L = 8 and w = 4. (4) Given ... A researcher surveyed 10 selected animal farms in a municipality and found out that the average weight of chicken is 0.8 kilograms Consider the following cost and pricing data of ABC Corp. on its Product X: Price: P120.00.per unit Profit Contribution: P90.00 Proposed additional Cost: P3 per unit (for quality improvement) Current ... Begin by adding the hundreds, saying the totals as you go, "3hundred, 4 hundred, 8 hundred". Then add on to his partial sum tens in a successive manner and finally the ones. 2. try adding 367+155... Please provide Handwritten answer. (b): Find fourier cosine series of f (x) = (xe 3 0 <x < n. [10 points] Problem set#3: Convex Optimization a. For each of the following, determine the location of extrema check if it is maximum or minimum: a. f(x) = x7 + xz+ x2x1 b. f (x) = xi+ x2x1 b. For th... Ted has a 0.78 chance of making par on each hole of golf that he plays. Today he plans to play just three holes. Find the probability that he makes par on exactly two foo the three holes. 1- For each set of ordered pairs, is the relationship a function? Is the inverse a function? a) {(0,1),(1,3), (2,5), (3,7)} b) {(0,3), (1,3),(2,3), (3,3)} c) {(1,1),(1,2), (1,3), (1,4)} 2. For each ... sir i am stuck for this question. 3. (4 MARKS) A probability matrix is a square matrix having two properties: (i) every entry is a nonnegative real number, and (i) the sum of the entries in each row i... 11 Consider the number 2160. a) What is the Number of Factors (NF) of 2160? b) Give the Prime Factorization (PF) of 2160. c) List All Factors (LAF) of 2160. 12 Calculate and illustrate 42... The upper portion of this noble beast is to be approximated using clamped cubic spline interpolants. The curve is drawn on a grid from which the table is constructed. Use Algorithm 3.5 to construc... I need help. Find the future value of each annuity due. Then determine how much of this value is from contributions and how much is from interest. Payments of $5000 made at the beginning of each semia... If 16 out of 28 students in Mrs. Jones' class own a pet, predict how many students own pets if there are 350 students in 5th and 6th grades. 2015 Envision and Engage – E 1 I need answer immediately. If 90 gallons of oil flow through a certain pipe in 18 minutes, how long will it take to fill a 600 gallon tank using this pipe? (Round to the nearest minute) What is the purpose of constructing a confidence interval? O To find the exact value of the population proportion. O In order to find the exact sample proportion. O In order to find a range of values ... Show the lattice method for calculating 139 x 25. E 139 x 25 = Sir i am stuck for this question. Suppose that g(u,v) is a differentiable function that satisfies for all points (u,v) 42 = 9. 29 = 2. du If we make the change of variables u = 9x-+6y, v= 2xy, then we... Resolve this problem. Convert 300 to radian measure in terms of It. radians Please! :). A veterinarian prescribed Lauren, a 31-pound dog, an antibacterial medication in case an infection emerges after her teeth were cleaned. If the dosage is 7.25 mg for every pound, how much ... determine the amount of semi-annual coupon paid for a 3% bond with a face value of ₱ 100,000.00 which matures after 8 years. How many coupons are paid Question 3 (25%) LaNew's customers are categorised into five different customer groups (Customer_group) referring to five different memberships : Internet, Club, Silver, Gold, and Premium. Customers, ... 10) Adding/Subtracting fractions. Find the common denominator and rewrite as two fractions with the same denominator. a) b) ON C) UIIN OOIW WIN Describir el espacio muestral asociado a cada uno de los siguientes experimentos aleatorios: a) Lanzar tres monedas. b) Lanzar tres dados y anotar la suma de los puntos obtenidos. c) Extracción de do... ' Let F(V, E) be a bipartite graph with partition V : V1 U V2. Prove that the largest number of vertices in V1 that can be matched with V2 is equal to W —§1C$f[|A| — |N(A)|]- I need help with this question. SECTION B Instruction: C ongpiete ALL questions from this section. Question 1 i. Find the exact value of the expression 2 2 1 +33 2. x56 lab—1 up: ii. Evaluate (0.025... Thank you!. 22:35 7 LTE I webassign.net (X, y, Z) = 1, 2′ Need Help? Read It 3. [0/1 Points] DETAILS PREVIOUS ANSWERS HARMATHAP12 3.3.007.MI. MY NOTES ASK YOUR TEACHER PRACTICE ANOTHER An augmented ma... You make and sell purses. The cloth costs $289.77 a month. The cost of all your materials is $505 a month. What percentage of your cost is the cloth? (Round to the nearest whole percentage.) Find the Fourier transform of: f (x) = 10, fa' – x', |x| ca |x > a Hence, deduce [3] sin x – X COS X dx = [3] Remember: If a function g(x) is odd, g(x)= -g(-x), then fig(x) dx = 0 If a function ... Let X and Y have a joint probability density function f X , Y (x , y) = C x y e x p (− x y) for 1 < x < 2 , y > 0 , where C > 0 is an appropriate constant you will identify... Given a A (Rnxn, T E R", b E R", and) > 0, prove that f (7) = = AT + b + 2 AT is convex. For this part, you may use the following properties of convex functions: . E: wifi(I) is conv... the first guideline in using manipulatives is to let students play with the material. why do you think this is so? Can someone answer. Solution = F= (AV-B) -> (C- AAB) she (MAV-B) -> " (C- AMB) VUL Pay= mpVE – (AND) – (CA – LAMB JJVAL In (– AMB)V (C A – L Ang] vac) (AND) V C A " AAB ... An infinitely large piece of a glacier slid down to the ocean and started melting from the bottom where it contacts the ocean. a) Write down a model for the ice melting including the governing equat... Continuing the astronomical theme, we note that astronomers don't work with cartesian coor- dinates, but with angles. That is, polar coordinates. We will develop a polar equation for conics. In th... (a) A single particle in an infinite square well which runs from z = 0 to x = a has eigenvalues En – 2m _ki and eigenvectors un(x) = V2/a sin(kn2) where kn = nT/a. Now consider two electrons in the... Use the Bisection method to find solutions, accurate to within 10^3 for the following problems. plz solve part c step by step . C. x -4x +4- Inx = 0 for 1< x x 2 and 2 < x <4 Please provide Handwritten answer. By multiplying the following scheme, on+1 m – un m a in+1 m+1- + 'm m + – Um-1) = 0, k h h (1) by un+ + un and summing over all values of m, obtain the relation (1 -... The table below shows the number of deaths in the U.S. in a year due to a variety of causes. For these questions, assume these values are not changing. Assuming these values are not changing from year... Hello, Please help with the following questions: 1. What was a $4400.00 investment worth after 6 3/4 years if earned 5.4% compounded monthly? 2. Payments of $1300.00 due today and $1800.00 due in 1 ... [-/1 Points] DETAILS SPRECALC7 6.1.065. This exercise involves the formula for the area of a circular sector. Find the area of a sector with central angle 27r/9 rad in a circle of radius 10 m. (Ro... . 2. The annual output of the start-up, Acme CoyoteWare (ACW) is given by O = 20E0.6 MO.2 HO.3 where . E = the number of engineers that ACW employs. . M = the number of managers that ACW employs. . ... q18 (b)(ii), thank youu!. 18. (a) Let f(x) = 32x – x2. Using the method of completing the square, find the coordinates of the vertex of the graph of y = f(x). (2 marks) (b) The annual profit P (in mil... Please see attached and provide full written explanation. 5. A network consists of the following list. Times are given in weeks. Activity Preceding Duration A B E, J a. Draw the network diagram. D. Wh... let z≠0, f(z)=(Re z) 2 /|z| , f(0)=1. solve that is it continuous at the origin? thank you. Problem 3. For eaCh n 2 1, let X" be a uniformly distributed random variable on the interval [0, 1/71]. For a: > 0, what is the limit of P(Xn S 1:) as n —) 00? What is the limit of P(Xn S 0) as... please answer the following question below. 3. Use the straight line tool in "Shapes" to help you graph a line whose slope is Label this lino a. Only need problem 3 but problems 1 and 2 provide information. Both are listed as reference. Any attempt towards the right direction is appreciated. Thank you. 1. Let N = {s,a,b,s'}. Let the nonzero ... There are two competing brands of toothpastes in a market. The brands are colget and Akuafresh. A survey was undertaken to determine the extent customers switch over from one brand to another every ... Sir i am stuck for this question . Question no 3: Find all stationary points of the function f(x, y) = y2 2 In(x + 2) + 4×2 on its domain of definition B = {(x,y) ER? | x > -2). Imagine for each s... Which number is in the tenths place of "0.7129"? * 1 point 1 2 7 9 Kiko scores 0.8 of what Shawn scored on a test. Shawn scores 60 points. How many points did Kiko score? * 1 point 48 68 72 75 Gabriel... SITUACIÓN CONTEXTUAL N° 02 MINSA: CASOS CONFIRMADOS POR CORONAVIRUS COVID-19 ASCIENDEN A 1 338 297 EN EL PERÚ (COMUNICADO N°440) Problem 3 (12 Points) Solve x1 = x1 +x2 x) = 4×1 +X2, A vehicle travels at 40 kilometers per hour and at t=0 it applies brakes If the deceleration is 3+t meters per second squared when would the vehicle come to a complete stop solve kindly. For the following power series, a. find the radius and the interval of convergence. b. determine the convergence and diligence of the end points of the convergent interval. xk 9. > K=... Let A be a n × n diagonal matrix with non-zero entries on the diagonal. Prove that the space of all solutions of x˙ = Ax is an n-dimensional linear space What are the similarities and differences between Pythagoras Theorem and Fermat's Last Theorem. Be specific and detailed. Test for relative minima and maxima the following real functions with two real variables: f(x,y)=x 3 -3x+xy 2 f(x, y)= x 3 + y 3 -9xy +27 f(x, y)= x 3 +y 3 – 3xy a. Calculate the first partial d... please help with 9.51 thank you. 9.51. Show that the asymptotic lines on the surface x; – x, + x; = 0 are the intersections of the surface and the families of cylinders x; + x; = C and *; – x, = K. 9.... how do you work this clearing fractions and decimals Solve itSolve it. Question 16 (4 points) Word Problem Question 3: (You must upload an image of your FULL solution to the question in eConestoga: Course Tools, Assignments, [Final Exam Submission]) Glo... Quantity Description Unit Price Amount 56 Item A $0.625 180 Item B 8374 126 Item C $1.16 144 Item D $1.75 Total (Round to the nearest dollar as needed.) a) True or False? {a, b} c a, b, c b) If part a was false, explain why. Don't write in your handwriting because I don't understand I will put a large emphasis of your grade on how well you communicate your solution. I expect you to include the following in your solutions:... The life span of a certain wood cutting machine manufactured by a factory has a normal distribution with a guarantee that any machine that stars malfunctioning within 36 months of the purchase will ... CALCULUS 1.. Given y = V1 + x3, find dy/dx. Use this result to find the approximate change in the value of y when x increases from 2 to 2.015. (10 marks) Please provide Handwritten answer. Advanced Math Just give an example will do! . 12.32 Construct matrices A, and A2 such that (AlA2) * AA). Polya's problem solving. Answer the following question, use the Polya's Problem Solving to solve the problem. 1. The product of a number and 1260 is 798 more than thrice that number. LWC x M Inbox (5) – alexus.garza@linds(x k! Module 2 – 2021 Fall 1 x Lesson 2.3 Certify Mode Quest X + C learn.hawkeslearning.com/Portal/Lesson/lesson_certify#! – Save & Exit C... please help with Data needed for question Infected Yes 1 No 0 Yes 1 No 0 Yes 1 Yes 1 No 0 No 0 Yes 1 Yes 1 Yes 1 No 0 Yes 1 Yes 1 Yes 1 Yes 1 Yes 1 Yes 1 No 0 Yes 1 Yes 1 Yes 1 Yes 1 Yes 1 ... I need to find the values of a, b, and c using L'Hôpital's rule simplify the equation using Euler rules. x(a + bcos x – c sin x L = lim 1 X40 Common stock X pays a dividend of $100 at the end of the first year, with each subsequent annual dividend being $10 more than the preceding one. Alice purchases the stock at a theoretical price to ... In the figure below, it provides the communication network between two stations, 1 and 7. The probability that a link in the network will operate without failure is shown on each arc. Messages are sen... 3.6b Consider the second-order AR process defined by Xt = XXt-1+ 12Xt-2+ Zt If X1 = 1/3, 12 = 2/9, show that the ac.f of Xt is given by 16 p(k) = + , k = 0, 11, 12, ... 21 21 09 Lester bought a piece of property in Vail, Colorado. The sides of the land measure 1291412914 feet, 80348034 feet, 1201812018 feet, and 1243412434 feet. Lester wants to know the perimeter (sum of al... topic is all about: Measures of Central Tendency . 'I.Examine the following data set: 4 .3. I". I" .8 5" 4. 3. 6 What is the mean value for this data set? *. 2. Examine the followi... Determine the shaded area + 21 ft The shaded area is (Round to two decimal places as needed.) Edit these functions to make it more smooth. show working out how to got these functions show how it connect (1st line link to 2nd, 2nd line link to 3rd, ... Maximum length 200m maximum height 60m ... 1:04PM J H all $ 82% X a www.studocu.com E StuDocu Q V Sample/practice exam 16 20... (b)Some people believe that the Moon controls their activities. If the Moon moves from being directly on the op... PULLIWO IN HI When we multiply 0.48 X 3.9, we first multiply as if the decimal points were not there: 3.9 X .48 312 1560 1872 Then we place a decimal point in 1872 to get the correct answer. Explain c... A loan of $2400 is due in 7 years. If money is worth 3.3% compounded annually, find the equivalent payments that would settle the debt at the times shown below. (a) now (b) in 3 year... {12 pts} Determine how much it will cost to have the Shirk Brothers fix your floors. Use the floor plan in the Appendix. You only need to include those spaces in the house (not the garage, covered ... Find ?y/dx by implicit differentiation and evaluate the derivative at the given point: a) x^2- 2y^2=0 at (1;1) b) y^2= x^2-4/ x^2+4 at (2;0) business mathematics. Question 50 (2 points) Five-eighths of Jesse Black's inventory was destroyed by fire . He sold the remaining part, which was slightly damaged, for one-third of its value and rece... (12 pts) Explain why or why not f: Z – Z where f(n) = 2n is: (a) one-to-one (b) onto Math Numerical Analysis A-D. This is the 3—point approximation .. _f(a+hJ—f(a—hJ m1) flal—T' a '12 This is often called the central difference because the point at which we are approximating... A rectangular garden is 20 m long and 9 m wide. It is surrounded by a path of uniform width. Given that the area of the paths is 170 m 2 : Find the width of the path. The fourth-degree polynomial f (x) = 230 x 4 + 18 x 3 + 9 x 2 – 221 x – 10 has two real zeros, one in [-1,0] and the other in [0,1]. Attempt to approximate these zeros to within ... convex function. Question 2: For a E R", check whether the following function f : Rn -> R f (ac) = e- (a,x) is convex. Provide a formula for its gradient and Hessian. i don't know how to solve it. Kertos 2 : Hahagian B Gunaken kertos graf untuk menjawab soalan ini the graph paper to answer this question. Sebush ryaniket penghantarou bendak menghantar bungkuran ke b... Solve the following problem.. Prove that there are no self-conjugate partitions of n, whose third part is 2, when n is an odd integer. Advanced Microcomputer Systems had annual sales of $31,979,000 with total variable costs of $20,934,000 and total fixed costs of $6,211,000. a. What is the company's contribution rate ? b. What annual... A town's population increases at a constant rate. In 2010 the population was 57,000. By 2012 the population had increased to 82,000. If this trend continues, predict the population in 2016. The pop... "box (16 837) – cindyleandred X Homework C www.webassign.net AT(By liberty Dashboard Learn – Study Mater... Orbund Shadowhealth 8. [-/1.15 Points] DETAILS LARMPMT1 7.2.017. 0/100 Submissions Use... Research about tax rates in the Philippines. Based on the existing tax structure, define a piecewise function that models the situation by giving (a) the function's equation, (b) a table showing some ... 1.- The speed of fall of a skydiver is given by the formula: Where "v" is the speed in m / s, "m" is the mass in kg, "t" is the time in seconds, "c" is the coefficient of friction in kg / s, g = 9.8 m... . 9. In R' a function is convex if, for all x and y, g((1 – 0)x + By) < (1 – 0)g(x) + 0g(y) (0<0<1). If g" exists, show that g is convex if g" > 0. A Rhino cement company owns two production plants. Plant 1 costs 21337 per day to operate, and it can produce 275 bags of high-grade cement, 505 bags of medium-grade cement , and 554 bags of low-grade... Each person of a random sample of fifty people was asked to name his or her favourite soft drink. The responses are shown below Pepsi-Cola 18 Sprite Coca-Cola 16 Nehi Orange Mr. Pibb 4 Dr. Pepper S... i am not sure what to do . Seiecl the correct loops to simplify the given function in GOP {sum of products} tom]: Note: To select loops that wrap around the edges of the table, you must seiect both s... Set up a ratio for the following information and reduce to lowest terms: $5 per day for 15 employees for 40 days. Please zoom up to see the questions I know some them are not clearly Question 3 1 pts Suppose that each week, you deposit $34 into a savings account whose annual rate is 2.7% with weekly compounding. How much will you have in the account after 14 years? Round your answ... can you please answer this and give me explanation on how you get the answer. f(2c)= 1/2(2c) + 3 (7). (10 points) Let A E Rnxn be a non-singular matrix, tell if the following statements true or false. (a). There exists a matrix B, such that AB = I. (b). Row vectors of A form a basis of Rn. (c). T... Hi can you help me solve these problems. QUESTION Determine the height of a rider who is 50 m horizontally from the starting point. Show algebraically and graphically.. PART 2C: Roller Coaster Safety ... Phase plane portraits are a useful visualization tool for evaluating the behavior of second order ODEs, or equivalently two dimensional linear systems, x˙(t) = Ax(t), (6) where A is a 2 × 2 matrix. ... {2D points} Suppose a consumer's utility function is 11(x, y] = G'E + ifif. with it and y the amounts oftwo goodsthe consumer buys. The prices ofthe two goods are p, = $1 and pi... = 52, respec... I need assistance on these past questions.. 8. (10 points) (Lagrange Multiplier Method) Find the maximum value of f(x, y) = 7 + 3xy (for > > 0 and y > 0) along the ellipse + = 1. 25 9 Question 4 [20] 4.1 Factorise fully. 4.1.1 4(a +b) – x (a+b) (4) 4.1.2 t(x – y) – 2(y – x) (4) 4.1.3 p- 1 (4) 4.1.4 5ab- 562 + 5ab (2) F3 x Suppose that you invest in an account with an APR of 6.1%, compounded continuously. Determine the annual percentage yield (APY), to the nearest hundredth of a percent. (a) 4.95% (b) 6.29% (c) 6.05% (d... please help. 6- (a) A Poisson rv X has unknown mean 0. A sample of 500 obser vations from this distribution has mean 9.4. Construct an approximate 95% confidence interval for 0, using the normal appro... Perform the following operations and do not forget to attach your solutions in classwork for additional points. 1. 16.789 + 0.23 + 1150.4 = _________ 2. 17.26 – 0.4587 = __________ * 3. 1594.2 – 83.21... d Consider that an experiment gave four scalar data points y to be 1, 3, 7, 11 at times t = 1, 2, 3, 4 respectively. The experiment model is y = c + mt + nt2. Find the best curve (parameters c, m, n) ... pic. Question 11 128 The 3d term of a geometric series is 16 and the 6th term is k3 where k is a constant. a) Find, in terms of k, the first term and the common ratio. [5] b) State the range of values... (a) Determine the level of measurement following variables. A car lists the most expensive cars for 2020. The roster of a basketball team lists the jersey numbers for each of the players. A met... A loan of $11,000 today is to be repaid by 2 equal payments due in 3 years and 7 years respectively. Determine the size of the equal payments at 3.20% compounded monthly. Round your final answer to tw... Consider the problem of classifying D dimensional inputs :1: E R". Suppose we have 2 classes and the output is denoted y E {9, 1}. If we use a binary logistic regression classifier then the model i... Check the right set 1- Sets A and B are equal 2-Sets A and C are equal 3-Set Band C are equal 4- Aets A,B,and C are equal 5-None of these sets are equal to one another Also, remember to explain y... Answer directly no explanation needed, answer as fast as you can this has time limit. Question 7 Consider the function f(x) = -1 . 2* + 4. Not yet answered Marked out of 6.00 The domain is Flag questi... homogeneous system of equations. b+dte+f=0 solve 3a+2b+2c-3d-e-3f+k=0 -2b+2c+2e+ 2k = 0 The genetic material on a planet is the same as that on the earth, consisting of A, G, C, T, U, but they are just linear sequences of these nucleotides (no symmetry operations are allowed, such as AG ... _ Downloads X 293124072_Linear_Relation X 293124071_Linear_Relation X 5 293124075_Linear_Relation X 5293124083_Linear_Relation X Untitled.notebook X C . File | C:/Users/khadi/Downloads/293124086_Linea... . 3. Find and classify the stationary point(s) of the following functions: (a) k : R3 – R defined by: k(x) = r Ar +b, (4) where: 3 A = -1 3 (5) 1 -3 and b = 2. Is k (x) a quadratic form? (b) 1... Sir i am stuck for this question . (4 points) Determine the value of the following series with the help of a suitable Taylor series! 72 7. 24 64 7=1 Note: See e.g. problem 1! Construct a Frequency Distribution Table including all informative columns. Make sure to show the step-by-step solution, just like what is written on your learning material.. INSTRUCTIONS: On the tabl... Linear Recurrence: Problem 7 (1 point) Find the solution to the following linear, homogeneous recurrence with constant coefficients: an = -16an-2 for n 2 2 with initial conditions ao = 8, a1 = 40. The... Calculus MAT1308 asap. Given : =3+ 2ez, fx e – 12 + 18 1. Find domain of f(x) 2. Find V. A and H.A. 3. On What interval f(x) is increasing/decreasing. 4. On What interval f(x) is concave up/down 5. Us... Consider the dynamical field variable u(x, t), where x and t are the usual spatial and time variables, respectively, that is governed by the partial differential equation (PDE) au azu 4t 3/2 – 2xt1/2 ... . Enter a formula in Cell F2 to count the total number of games played by the Hawks in that season. (This will vary by whether the team made it to the playoffs, and how far they advanced.) Use the... Linear Programming: An Algebraic Approach (dont use excel for explanation i just need help to create an equation and everything else I will c alculate on my own) Please help me. R Larren Buffett is concerned after receiving her weekly paycheck. She believes that her deductions for Social Security, Medicare, and Federal Income Tax withholding (FIT) may be incor... The following matrix has an extra term 0.505 beyond what we usually see in a Leslie matrix. .4 .3 0 A = 0.99 0 0.505 0 1 0 Which of the following is a possible stable age-structure of this matrix? Exp... Teacher strategies: FEAP (a)1.b (Attach copy of student activity worksheets for skill practice.) 3. Teacher demonstration: Sebuah perusahaan menjual seluruh hasil produksinya Total penerimaan ditunjukkan oleh fungsi TR = 7Q dan total biaya adalah TC = 60+800. Tentukanlah! Jumlah produksi agar tercapai titik impas dan gamb... The system x + y + z = 3 x = y y = z y = 1 is inconsistent. Select one: True False Create a function to compute ∑ k n = 0 ∑ j k = 0 (− 1) j (j + 1) n (j k) . Adoctorprescribesamedicationtoachildwhoweighs50lbandis39intall. The safe dosage for a child is 2-4 mg per m2. Use the West nomogram to estimate the child's BSA and determine the safe dosage range fo... how to do i cant understand. Section A [40 markah] [40 marks] Jawab semua soalan dalam bahagian ini. Answer all questions in this section. Nyatakan tiga ketaksamaan yung mentukrifkan rantau berlore... Global Waste Management Solutions Ltd. borrowed $25,000 at 7.2% compounded semiannually. They made payments of $1,200 (except for a smaller final payment) at the end of every month. 1. How many paymen... Solve the following problem.. For each o with o > 0 and d E Q let Ss = {x E Q: x> 2 -6}. Find So and 630 prove your answer. Management Science – Maximization/Minimization: Non Linear. Provide the following: I. Find the Maximum profit and graph: P = -0.2x 2 + 8x -76 P= -0.1x 2 + 4x – 10 II. Find The Minimum Cost and graph... (10 points) A random variable X has the following cumulative distribution function x 2 F (x) = 1 — 9%?) . Find the probability density filnction and the expected value of X. Example problem this question is based off of is posted below for reference. Thank you. 2. Let the costs, Supplies, and demands be 9 l 7 S,- = 2,10 (Cu) "—— s . 5 4 0 J} = 4,3,5 Find optimal u, ... Quadratics 4- 2 12. X -2 1. What are the zeroes? 2. What's the vertex? 3. What's the equation in vertex form? 4. What's the equation in factored form? 5. What's the equation in standard form? TOP DreaNost, me poremm TONey the patient drinks 180 ml of milk and 450 m of water. What is the patient's total intake? 4. The patient has formula feedings through a feeding tube. She is given 300 ... The answer and explain. [2 marks] mestion d a) An arithmetic progression has first term log, (27) and common difference log , (x) (1) Show that the fourth term can be written as log, (27x ") [... Next question Determine the shaded area 10 yd 6 yd 8 yd 12 yd The shaded area is (Type an integer or a decimal.) Hello I need some help with this problem. It's the question 11. I've tried to look at the mark scheme but I couldn't understand. Thanks. 10 Simplify 8a2 X 16a3 11 The triangle below is made up of two ... pls solve this as soon as possible. Q7) The Home Doctor received a shipment of hand tools with an invoice total of $800 (including shipping) and sales terms of 3/10 n/30. The invoice is dated June and... En qué porcentaje aumentael usar un espesor de cordón de soldadura de 3mm a uno de 4mm? The Rockville Employment Agency just placed Howard Jacobson in a job as a junior pharmacist. The job pays $51.2K. The agency fee is equal to 40% of the first three weeks' pay. What is Howard's weekly ... Let H be (¬P → Q∧R) → P∨R. Provide a proof of H using the 2nd classical version of the Sequent Calculus (i.e., the version without additional LEM or DNE rules but with classical sequents inst... Suppose you are managing your company's network security. For each suspicious user activity, you need to decide whether or not to assign a human expert to check if it is malicious. Suppose that a huma... eve and Claire are married, and both lived and worked in North Carolina for the entire 2013 tax year. heir total adjusted gross income was $74,000 and they qualified for the standard deduction of $600... please answer the following question below. Find the value of a 126 Find the value of b. 54 Find the value of C. 126 Find the value of d. 34 Find the value of e, 126 Find the value of f. 54 Find the v... Il. Exercises Exercise 1 Directions: Describe the end behaviors of the following functions: 1. f(x) = x5- 19×3 + 48x 2. f(x) = – x4 – 49×2 -5 3. f(x) = x2- 10x +16 4. f(x) = – X (x + 9) (x – 1) 5. f(x... 3.5. + X Let S = {A ER2x2 s.t. trace(A) = 0}. Find the representation vector of the matrix 2 5 A = -3 -2 I with respect to the standard basis of Hint. Follow the same procedure as in the video for det... please solve on page by handwriting ..,,,,,,,,,,, ..,,,,,,,,,........ ... (2) Compute the degree of the extension Q((5, V-5) over Q. Here (5 = cos(27 /5) + i sin(27 /5). Make sure to include full pr... Sam Long anticipates he will need approximately $226,300 in 10 years to cover his 3-year-old daughter's college bills for a 4-year degree. How much would he have to invest today at an interest rate of... Linear and affine models in discrete time In class, we introduced continuous-time linear models x_ = Mx and continuous-time affine models x_ = Mx + c ; where x and c are vectors andMis a squa... Q1. State the property of an estimator that gives a correct estimate of the population parameter of interest, but only on average. [2] Q2. State the property of an estimator that converges to the po... If A= {x|x is an even integer, B={x|x an odd integer), find A n B. A){x|x € R } B) {o} C) {ø} D) {x|x€ Z} If A= {1,3,4,8}and B={3,5,7} , find A U B A) {1,3,3,4,5,7,8} B... urgent please help. (((5.83 x 10 4) + (38.5 x 10 2)) x 1.8) + ((6.53 x 102) (18.42 x 103)) What is (6.29 x 107) – (4.382 x 105) (9.381 x 106)) the answer to the following math question? Show all you... Can you please help me with this. Previous Page Next Page Page 15 of 17 Question 15 (4 points) Word Problem Question 3: (You have to submit an image of your FULL solution to the question in eConestoga... Mario desea ir a la anticuchería ¨Doña Rita¨ desde su casa, por lo cual se desplaza desde el punto C (-6;-2) hasta R (4; 5) en línea recta. A partir de la información dada: Indique la ubicaci?... Argue that the (3) is well-posed and discuss conditions that stochastic approximation algorithms converge to the true solution. 2.Argue that the cost random variables C(X_k(theta)) in (1) ... Jim Ryan, an owner of a Burger King restaurant, assumes that his restaurant will need a new roof in 7 years. He estimates the roof will cost him $10,500 at that time. What amount should Jim invest tod... 4: Using appropriate Fourier series, Show that 4 COS X =- sin 2x + – sin 4x + sin 6x + ... 4 15 35 5: Find the frequency spectrum of the function: 0 1 – 1/ 25x<0 f (x) = sin x, OSXST/ 2 J(x+ 1) ... Graphing Rational Functions Graph the following rational functions, use a graphing paper. One graphing paper for every graph of a rational function. Label the intercepts, asymptotes, domain and range.... Consider an M/M/1 queue where after the completion of service a customer leaves with prob- ability q, or rejoins the queue with probability 1 -q. What is the stationary distribution for this system... 9) A 75 kg bungee jumper is 1.8m tall. They drop from a bridge C which is 50 m above the water below. The cord on the bungee rope is at its original length when the jumper is at the edge of the bridge... Convert each of the following binary notations to its equivalent base ten form. (5 points each) a. 1110110 b. .0111 c. 10000000 d. 10.001 e. 1.0011 notes for Math. attached are 2 pages.. What Happened When a Boatload of Lambs Crashed Into a Boatload of Rams? Write the letter of each exercise in the box containing its answer. cream sugar French Sp... vica. Shirts 12/ 8/0 021 U To soon 4 Practice Problems A shopper buys cat food in bags of 3 lbs. Her cat eats # lbleach week. How many weeks does one bag last? Draw a diagram to represent the situatio... Not sure how do go around this, any help will be appreciated. Jamal has some counters in a bag. 36% of the counters are red the rest of the counters are yellow Jamal puts 50 blue counters into the bag... 1 how many hrs can you legally park if arrive at 5 pm? 2 according to the top & middle sign, how many hrs can you park if you arrive at 4 pm? 3 according to the lower sign, how many minutes can yo... full answer. Quality Juicy Lid, a non-liquor wholesaler incorporated in Washington, is interested in assessing the effect of the price of a premium juice on the quantity sold. The results in the table... Find the value of n. 36,000 = 150 0 / 1 – 1 n (1+ 0 . 5426 %.) 0 . 5426 %. math 101 write up problem. The problem you must solve for Module 3 is: 1. Consider the retirement plan you developed for yourself in the discussion board. Copy the numbers you used there here: [You do... MC 9. 9. What is the maximum number of turning points for f(x) = 10x + 5x – 3x-? a) 1 b) 3 C) 4 d) 9 Seorang psikolog mengklaim bahwa simpangan baku dari laki-laki dan perempuan memiliki bias 10% dan 15% . Andaikan dipilih secara random 7 perempuan dan 12 laki-laki dari populasi. Standar deviasi ... Answer E & F. (60 TOIN To). Table Country Equity and bond Funds Year Equity Fund (%) Bond Fund (%) 2012 -7.1 0.9 2013 -13.5 1.3 2014 5.5 2.4 2015 6.5 2.7 2016 7.4 3.1 E. Compute Sample coefficient... calculus 1. By using the given substitutions, show that i. fx(x – 3)5dx = =(x – 3)'(2x + 1) + C, z=x-3 X 4×41 ii. 8(2x+1)2 + C, (2x+1)3 dx = – z = 2x + 1 show your steps to get the answer of 24cm for | C D | . In the figure above, |AC| = 32cm and AB 5 [BC] 3 . If |CD| = 2|BC|, what is the value of | CD| in cm?. 1 – – A B C D AB 5 In the figure ... (8 points) Let B be the set of all real numbers in [0, 1] whose decimal expansion does not contain a 3 or a 8. For example, 1/2 – 0.500... E B and 7/4 – 0.785398... # B. Show that B is a Borel set ... Question Determine the area under the standard normal curve that lies to the left of the z-score of – 1.13. Z 0.00 0.01 0.02 0.03 0.04 0.05 0.06 0.07 0.08 0.09 -1.3 0.0968 0.0951 0.0934 0.0918 0.0901 ... Please solve the following complex analysis question. Can you explain with steps thanks. Solve the initial value problem y" + 6y' + 25y = 0, y(0) = 2, y' (0) = 1. BUSINESS CALCULUS Use the limit theorems to find the following limits. In addition, graph the function. Show all the work to receive full credit. 1. lim 3x-+2x-5 r-+1 x-1 2. lim Vx2+9-3 X-0 Let G be the graph of Figure 1. X 2 e 1 e e * 16 e 5 e 2 eA X 6 e T X 5 eg e 12 e 13 e 10 e 11 X1 Figure 1: (a) Find G – A where A = {:2, 14, Is} (b) Find G[B] where B = {(1, (3, ed, es, 69, 611, (12)... why is the system of coins not entirely based on the base 10 system? Question 2. a b c d. 1. Which of the following are order relations? (a) – on the collection of subsets of {1, 2, 3, 4}. (b) (X, P), where X = Re x Re and (a, b) P(s, t) iff (a > s and b > t) (c)... Let n > 1 be an integer and A = {1, . . . , n} and consider the graph with vertices V = P(A) and edges E = {{S, T} : |(S \ T) ∪ (T \ S)| = 1} (a) What are the degrees of the vertices in G? (b... How

can we simply solve this question. A prime number is a natural number greater than 1 which is not a product of two smaller natural numbers. Prove or disprove: For every integer q, if q > 7, the… In theory the correlations should be -Select-equal to 0equal to 1equal to -1indefiniteItem 27 because we want the factors to be -Select-independent of each otherhighly correlatedItem 28 . La Familia Risi Queirolo posee un negocio de elaboración y venta de café en granos para una prestigiosa y reconocida cafetería. Pensando en la elaboración de un nuevo producto, observa que sus cos… Correction de l'exercice 14 du chap3 d'optimisation 1 Identify the feasible region of the following set of constraints. Please include the solution and the graph 1. x + 5y ≥ 250 0.50x + 0.25y ≥ 30 0.25x + 0.50y ≤ 50 x, y ≥ 0 2. 2x – y ≥… David's new salary? what is (d) A shop buys lawn mowers for E60 and sells them for 678. What percent profit is this? 5.2 Determine the maximum expected payoff given a payoff table. I have to make ppt. Kindly explain it in detail. Hello i really need help on these sums. Q2. (1) Find (7x – 10) dr. [2] (i1) Given that (7x – 10) #dr = 25 = 14, find the exact value of a. [3]. figures, or 1 decimal place in the case of angles in deg… I need to create a chart or a bar chart that represent 3 factors: 1. budget, 2. actual expense, 3. difference between the two. It should be super easy but I don`t know how to use excel. I need to crea… Application: Newton's Law of Cooling. Newton's law of cooling states that when the temperature difference between a body and its environment is not too great, the heat transferred per unit of time to … . Fill in the missing values to make the equations true. (a) log, 3 – log: 8 = logs (b) log, 7 + log, = logo 21 (c) 3 log6 2 = log6 All parts please! Thank you! :). VALENCIACOLLEGE 8. H(x) is the function defined by the following table of values: X -30 -25 20 15 -10 -5 O 5 10 H(x) 3 6 12 24 48 96 192 384 768 Part 1.: Evaluate H(-5… . Exercises (without a calculator) Convert between binary, decimal and hexadecimal: Binary Decimal Hexadecimal 1102 11102 11 00112 1110 11102 3 7 15 18 21 A D 10 15 1C BE Your student ID describe and illustrate the absolute value of a number in the number line as the distance of a number from zero Question 5: GEOM – Introduction to Geometry 11 mark Question 5 (a) 3 mar Find the value of the unknown angles, x, y and z in the following, briefly justifying your answers. L 650 vertically op X X Is … Continuous Time Markov Chain.. UMD airline has three special customer service representatives. Each representative helps customers on the phone to reschedule or cancel their flight ticket due to COVID… CloudTrust Limited has a monthly payroll of $6 million. They choose to make a short-term investment in an account with a simple interest 0.9% rate. At the end of the month, what is the maturity value … Here is the data: pdh10/FCBS/Exercises/glucose.dat . Mixture model: The file g1ucose.dat contains the plasma glucose con- centration of 532 females from a study on diabet… A 0.8 m diameter sphere contains helium at 20 bar and 28 deg C. How many cylindrical drums, 15 cm in diameter and 100 cm long, which are initially devoid of any gas, can be filled to a pressure of 3 b… I need help showing the work and answering these questions. 29. A department store offered a 6 % discount on all small appliances. They also stated that the first 50 customers would receive an additio… . .\ Miami's Adult Co My Inbox (17.671) – cindy X Two Important information Sign in to your account x Academics | myLU X Ly Dashboard X _Modu webassign.net web Student Assignment-Resco onees last7oe… Don't understand problem. Identify the histogram for the frequency distribution below. Bin Frequency [2, 7) [7, 12) 3 [12, 17) 3 [17, 22) 5 [22, 27) 1 douanbald Frequency 7 12 17 22 7 12 17 22 27 data… aplikasi fungsi kuadrat dalam ekonomi. Jika fungsi permintaan dan penawaran suatu barang masing-masing sebagai berikut, q=-2p +9 dan q=p +5p+1 maka : a) Buatlah grafik fungsi permintaannya (10%) b) Bu… Calculating Water Bills worksheet www.liveworksheets.com How many 5 digit numbers can be made using the digits 0-9, with no repetitions if the number must be larger than 30000 and has a 3 and a 4 side by side. T . 1.4. Modeling Change 25 equation, we need a mathematical expression for how the flow rate depends on the water level X. As we just said, the greater the water level X, the greater the flow. Let's … HELP ME PLEASE TO ANSWER THEM ALL CORRECTLY FOR AN UPVOTE AND POSITIVE RATINGS.. B. Among the topics listed below, choose one and write a discussion about it. Use propositions with logical operators t… Please provide Handwritten answer. 40 -10 -26 -16 31 -9 -20 -12 3 X+ 38 -10 -25 -14 -2 25 -5 -16 -12 y=[3 -1 -3 -1]x Does an input (.) exist that can drive the state from x(0) =[0 0 0 0] to x(1) =[0… Problem 8: (5 points) Cauchy-Riemann conditions Expressing complex numbers in their polar form, complex functions can be expressed in the form free) = R(r, 0) i (r,0), (1) where R(r, 0) and D(r, 0) … statistics. Suppose that the heights of adult men in the United States are normally distributed with a mean of 70 inches and a standard deviation of 2.5 inches. Wha proportion of the adult men in the … For my combinatorics class, any help is appreciated! P6. This elementary problem begins to explore propagation delay and transmis- sion delay, two central concepts in data networking. Consider two hosts, A and B, connected by a single link of rate R bps… . Two dice are rolled. What is the probability P(sum is 12)? O O 1 O 36 Estimate the slope of the tangent line to the graph of f(x)=4x/x-1 at the point where x=0 and find the average rate of change for the function over the interval [3,4] Lin is shopping for a couch with her dad and hears him ask the salesperson, "How much is your commission?" The salesperson says that her commission is 5-% of the selling price. a. How muc… You choose to invest your $3,160 income tax refund check (rather than spend it!) in an account earning 4% compounded annually. How much will the account be worth in 30 years? (Use the Table provided.)… You are the manager of World Wide Athlete, a chain of six sporting goods shops in your area. The shops sell 10 racing bikes per week at a retail price of $669.99. Recently, you put the bikes on sale a… Can you help me this question clearly hand writing step by step please. Question 3. Consider the function f(x) = x – 1|x. (a) Write f(x) as a piecewise defined function. (b) Draw the graph of f. (c) D… Please provide Handwritten answer… Question 23 J Please state one possible violation of standard model assumptions for each of the residual plots below [one sentence for each plot): 3 a 3 3 c: 3 o …. Russell Container Corporation has outstanding bonds with a par value of $ 1,000. res and 20 years to maturity. The bonds offer an annual payment of $ 95 in interest and are currently sold at a unit pr… 3 of 20 Step 1 of 2 e following product. (45.4) (0.11) Estimate the product using rounded numbers. Points college mathematics. Order these numbers from least to greatest. 157 LD 20 7.40, 7 11 7.408 157 9 7.40 7 – 7.408 20 11 nora has 30 more stickers than zaini how many stickers does zaini have? Please provide Handwritten answer. 6. Suppose we have a square domain, bounded by the lines x = 0, x = 2, y = 0, and y = 1. Suppose a thin rubber membrane is stretched across the domain. (a) Find a so… Irene's Boozery is a popular bar downtown. Irene has just purchased a large keg of beer containing 100 gallon, and it cost her $560.00. How much will 80 gallon cost Irene's Boozery? ?… (ii) Find the coordinates of tic 10 A pond is modelled as a cone with its radius and height in the ratio 2:3. Snow melt is filling the pond at a rate of 7.5 cm per second. (i) Determine the rate at wh… biomathematic. Question 1 1. A park is currently home to a population of 200 rabbits. The park is estimated to be able to sustain a population of 2000 rabbits. Absent any restrictions, the rabbits wou… Cost of Food Sold A hotel restaurant has the following data. What is the preliminary cost of food sold for this restaurant? And what is the true cost of food sold? 1. Preliminary cost of food sold $ 9… business mathematics. Question 11 (1 point) Tamara earned $74,000 in 2016. If the Consumer Price Index in 2016 was 128.4 and in 2017 was 130.4, what did Tamara have to earn (dollar amount) in 2017 jus… In order to graph your solution solve for tje variable. Show work How to solve problem solving quicker for general math in senior high grade 11. Currently preparing for exams . Node 1 Node 2 Node 3 Node 4 Node 5 Node 6 Node 1 Node 2 Node 3 UNOHAN Node 4 Node 5 Node 6 Using the distance matrix shown in the figure, draw the corresponding weighted complete graph, and execut… for question 6 I need a full explanation also don't use calculus or college mathematics use Grade 12 academic and explain it very well, for question one use grade 12 advanced function information a… Question 4 10 pts A pipe that is 0.65 m long and open at both ends vibrates in the second overtone with a frequency of 876. In this situation, the distance, in cm, from the center of the pipe to the n… I don't want the answer to my specific question, I just want to learn how to do it. How would you approach a problem like this, I would appreciate multiple ways especially for a beginner in discrete m… Please answer all parts to the following question! I will upvote!. 1. Recall Euler's formula e"i = cos 0 + isin 0 and the multiplication formula 2. (N-1) phil's = e(04)i. Consider the set A = {1,… Harga komoditi A dan komoditi B mempunyai hubungan dalam bentuk A=7/3(B-49). Pada saat harga komoditi A bergerak pada selang 21<A<35. Bagaimanakah harga komoditi B H G What is the chromatic number of this graph?a 2 b 3 c 4 A D A contractor needs to decide on the size of his work force over the next 5 weeks. He estimates the minimum force size bi for the 5 weeks to be 5,7,8,4 and 6 workers for i =1,2,3,4 and 5 respectivel… Tutorial Exercise Find the weighted average of a data set where 70 has a weight of 2, 80 has a weight of 3, and 90 has a weight of 5. Step 1 xw The weighted average can be calculated using where x is … E Homework: 2-Ba… < Question 8, *3.2.B.6 HW Score: 32.5%, 6.5 of 20 points Part 1 of 2 O Points: 0 of 1 Save Eight-elevenths of Jesse Black's inventory was destroyed by fire. He sold the remainin… please do this for me and tell me what you did and please please do it right tanks.. 4. (2 marks] True or false? Circle your choice, no need to show anyr work. a. Determinant is only defined for squar… mathematics polynomials. 1 Express the following in partial fractions: 2 (a) x3 -8 Differential Equations 1. Solve the following differential equations using the general formula 2 = 4xy + 4x ii) y' – 4ty – tet 2. Exact differential equations y = (2ty – e =)y' 3. Integrating facto… . I don't think this has been allocated?. Consider the function fix) = 4x". a 5: Complete this table of values [rounding to de if needed], then sketch the function. 1;]: Compute the logarithm [base… We have to figure out which floor the mid term on by using k= 13 , m = 77 Encrypted message = 62. Number Theory, Chapter 18-Powers, Ports and codes. Q. Your Midterm is on NAC Floor. To figure It out t… Compute the line integral of f(x, y, z) = zy along the line segment L starting from A = (0, 0,0) and ending at B = (1, 1, 1). What happens to the line integral if we flip the orientation of L, tha… A = P(1+i)" I= A-P 4) a) Determine the amount(A) of $875 invested at 8.5% compounded quarterly for 5 years b) Determine the interest earned. A national retail store chain sells the XP Dog crate for $310 plus the applicable jurisdictional sales taxes (GST and PST or HST). What is the final cost difference between consumers in Ontario an… NOTE: Bonus questions , 1-3 (they are not questions) are giving information to be used to answer the question. . PLEASE HELP TO ANSWER THIS CORRECLTY. FOR AN UPVOTE AND POSITIVE RATINGS. . B. Among the topics listed below, choose one and write a discussion about it. Use propositions with logical operators to su… (20 points) Let Xi, i = 1, 2 be independent random variables that have the following distri- butions: X; =1 with probability p and X, = -1 with probability 1 – p: Xi 1 – p Define B1 = X1 By = Xi+ X… please help me in solving this business Mathematics question I can't get it right. A financial obligation was to be settled in two payments. The first payment of $2,000 was due 1.5 years ago. The seco… Question 4: Consider the problem n min E(x;)2 j=1 n s.t. Co; = 1, j=1 0 <x; < uj, j = 1, …,n. Q1.a Formulate the dual problem. What is the optimal value? Does the duality relation hold? Q1.b S… 3) (6 points) Plot 5.4545 on the number lines below. All number lines should reflect the base-ten structure. Label all long tick marks the middle short tick mark. Here are the three scales for the num… Please help to solve the problem 1. AMS 518 HW3 September 2020 Loss is defined as a function /(x, y) of a decision vector & E X C R" and a random vector y (Y CR". Definition 1 (CDF) … Create scatterplots using the data in the spreadsheet linked above, adjust the range of values in the horizontal and vertical axes, and create a trend line. Which variables are used in the scatterplot… please help answer these 2 questions.. apter 3 Assignment Unit B: Interest 19. Using the Rule of 72, calculate the doubling time of an investment of $40 000.00 if the interest rate were 5.8%/a, compou… Please show all work!. Find the General Solution of the differential equation: _ 1 _ 2yx(x — 1) Find the General Solution of the differential equation: I y 2xy+x4 y'(x) = — x2+y3 Un equipo de básquetbol se compone de 11 elementos; calcular cuántos partidos pueden celebrar sin repetir la misma quinteta. ¿Cuántas son las maneras si hay 2 elementos que en caso de jugar necesa… I need explanation with these. Thank you!. Complete the steps of a one-mean hypothesis test with Population SD known – P-Value approach 1. A doctor is interested in testing the claim that a new medici… Search the database (the whole spreadsheet) to find Italy and also the corresponding medals total refer to image for question. 8. [-/2 Points] DETAILS HARMATHAP12 5.3.040. MY NOTES PRACTICE ANOTHER The total cost function for a product is C(x) = 750 In(x + 10) + 1900 where x is the number of units… Evalute the following intergral.. Evalute The Following integral !. 3- x 1 – x + 6 212 The following information on age and number of hours exercised was gathered about 13 members at a small gym. A99 25 36 44 22 5? 25 43 19 33 4D 44 28 25 We 5 4 5.5 2 5 4 7 4.5 3 2.5 6.5 5.5 a) Crea… Please provide Handwritten answer with explanation.. Which of the following statements about the heat conduction problem in a 1 point rod below is TRUE? (Use logic, no need to solve.) You must tick AL… MATHEMATICS: OPERATIONS ON PROPOSITIONS . Direction: Determine the truth value of each proposition. 1. ~ (pv~q) 2. ~ (~p/q) 3. ~ (p + ~ q) 4. ~ (~p … Engineering. Question 1: Determine the reactions at each support. Question 2: Determine the reactions at each support. Question 3: Determine the reactions at the supports A and C of the is a roller, B… [0/3.33 Points] DETAILS PREVIOUS ANSWERS BRECMBC9 8.111.019.MI. MY NOTES ASK YOUR TEACHER PRACTICE ANOTHER The wholesale cost of a birdcage is $55. The original markup was 46% based on selling price. … business mathematics. If the salaries are paid on weekly or Bi-weekly basis, then the number of weeks assumed in a year are: @ Quizzes – 2 X Launch Me X Untitled * w Final Revie * * Course He X *Course He X Course He X > course her x * Course He X + X C & ﷺ Coding Theorem: Error correction code:. 2.2 Show that if there exists a binary (n, M, d)-code, then there exists a binary (n – 1, M', d)-code with M' > M/2. Deduce that A2(n, d) 2A2(n – 1, d). The table below represents the closing prices of stock ABC for the last five days. Using your calculator, what is the equation of linear regression that fits these data? Day 1 Value 472.08 Day 2 Value… How many seven digit phone numbers are there subject to the constraints that the number cannot start with zero and no number appears more than once in the phone number? Question 4 1 pt Suppose that every 4 months, you make a $658 payment toward a 11- year loan whose annual rate is 7.1%. How much was the loan for? Round your answer to the nearest dollar. Consider a zero sum game given by the following matrix for Player 1: Find a Nash equilibrium without using a linear optimization solver. (You may use a cal- culator or computer for linear equations) S… Please provide Handwritten answer. 3. (Prelim problem.) Suppose f, g 2 0 are measurable functions on ([0, 1], m) such that: 1 0 1 1 — = 2 /o f(:c)d3: — 2,] g(3:)dsc 1, and /o f (93)d:c g 7 Let E =… Sir, I am stuck on this question Sir, it's a humble request please step by step and double-check if I put even a single point wrong they consider wrong. (2 points) A company manufactures x units of … thx for the help. them pay? 930 m 15. Boat A and boat B are 930 m apart. They start travelling towards each other at the same time. If the speeds of boat A and boat B are 15 m/s and 16 m/s respectivel… please help. The table shows the elevations of the highest and lowest points in Louisiana, where negative numbers are feet below sea level. Which inequality correctly compares the elevations? Point El… Remaining Time: 1 hour, 59 minutes, 27 seconds 1 2 3 4 5 6 7 8 9 70 11 12 13 14 15 16 17 18 a Question Completion Status QUESTION 8 The following is a L.P.P: Max 10.5X1 3X2 . 12X3 (Hundreds of dollars… Please provide Handwritten answer. For each of the below, demonstrate by providing a semantic validity proof points each) 4. F55 OP – DOP 5. FK (OL AO~L) – OM 6. FB O(A VOB) – (OAVB) 8) (6 points) Show with an area model how to find the answer to = + UIN = ? 4 Explain how to use the area model to explain why the standard algorithm for adding fractions works. Question 2 10 pts The sound level at 1.0 m from a certain talking person talking is 93 dB. You are surrounded by five such people, all 1.0 m from you and all talking equally loud at the same time. The… hey I need help solving this one problem. Which number can be placed in the blank to make the number sentence true? 5+3+7 = 5+ _ If an RNA chain of length 4 is chosen at random , what is the probability that it has : At least two consecutive C's ? I know that sample size is 4^4, and I know that the answer is 41/256. Usi… 4 – 1 Name Course/ Major/ Yr 1. A final teat in Science was administered to a Grade VI class of 50. The teacher wants to improve further the intens for next year's nce. Calculate a quality index that … pls help me for a and b thx. 51. The figure shows a water tank in the shape of a triangular prism. When 15 cm 3 cubes with side length 5 cm are totally immersed in the water, no water overflows. (a) F… It is known that 1% of children born will have jaundice. If 5 infants are born in the Peterborough Regional Hospital on a given day, what is the probability that (a) two infants will have jaundice?… WORD PROBLEMS: 1. (5pts) The lengths of a particular species of worm are normally distributed with a mean of 21 cm and standard deviation of 1.5 cm. Find the probability that a worm selected at random… please give me the right answrer. Convert the decimal number (0.5625),, to the mini-IEEE floating point format: Sign Exponent Mantissa Number It is possible that the mini-IEEE representation you enter… . Question 1 [6 marks] Consider the recurrence fiinction H r01.) = 321" (4)+2"logn Give an expression for the runtime TYLif the recurrence can be solved with the Master Theorem,___Assume… Please provide Handwritten answer. Let V and W be normed spaces and S: V – W be a surjective isometry. Show that S is affine. In case that V = W = R" show that det S e {-1, 1} Topic: Circle theorem. In the diagram, O is the centre of the circle. AB is tangent to the circle at A and _ ABD = 63" D B Calculate the value of ()ZCAD (1) ZCAB (515) CBA What amount increased by 140% is $85.23? $60.88 $35.51 $204.55 $36.53 $119.32 Assignment 4.3 Linear Regression Now let us use both the predictors from modell and model2 to predict pri Use saft_living and waterfront to predict price. Do not model their interact Call this model3…. Please answer this with solutions – An artisan bread maker uses 2,000 grams of flour to make 4 loaves of handcrafted bread. How many grams of flour is needed to make 2 loaves of bread? Thank you!. 22;35 7 LTE . webassign.net 12. [-/3 Points] DETAILS HARMATHAP12 3.3.055. MY NOTES ASK YOUR TEACHER PRACTICE ANOTHER A glass of skim milk supplies 0.1 mg of iron, 8.5 g of protein, and 1 g… coordenadas indica las coordenadas cartesianas de cada. Marcado de la vasija imagina que el eje y el punto h&s reflejado del punto H por este espejo dibuja cada. Reflejado de la vasija y dibuja … Please answer the following question.. (25 pts) Define f : [0, 1] -> R as follows: 12-i, te (0, 1] f(x) = 0, t = 0 Is f continuous at 0? Justify your answer. grafik balance. X If the demand and supply functions for an item are as follows, q=-2p2+9 and q=p2+5p+1 then: a) Graph the demand function b) Graph the supply function c) Determine the market equilibr… PLEASE ANSWER IN EXCEL DATA TABLING FORM. SEND EXCEL FILE THROUGH GOOGLE DRIVE PLEASE.. Use the Gauss-Jordan technique to solve 3×1 – 0.1×2 – 0.2x; = 7.85 0.1x, + 7×2 – 0.3x: = -19.3 0.3x, – 0.2×2 + 1… grade 12 advanced function. A S A POLYNOMIAL FUNCTION B(x) = x + Kx + 9x – , HAS P (0) = P(3) 4 DETERMINE THE VALUE OF K. From a group of 12 people, you randomly select 5 of them. What is the probability that they are the 5 oldest people in the group? Give your answer as a fraction 2. You pick 7 digits (0-9) at ran… N History Bookmarks Window Help mathxl. Fall 2021 Math 1010 K20 Quiz: Q10.3 A Question 1 How many ways can a teacher give four different prizes to four of her 24 students? The minimum wages and the rigidity of employment index for sampled countries are given in the table below sample countries minimum wages … Two bags, A and B, each contain balls which are either red or yellow or green. Bag A contains 4 red, 3 yellow and n green balls. Bag B contains 5 red, 3 yellow and 1 green ball. A ball is selected … .. a) Use the Gibbs-Duhem equation and the chemical potential for an ideal gas to derive the following equation for a binary system: 8 In p2 c101 p1 (5) T2 b) The vapour curves for the components of a… Recommendations Skill plans Math LE Language arts Science Social studies Sixth grade > H.10 Multiply and divide decimals: word problems GZN You have pri Grace is having a slumber party and wants to… The following method for multiplying 21 X 23 relies on repeatedly doubling numbers (by add- ing them to themselves): 23 + 23 46 2 + 46 21 = 16 + 4 + 1 92 4 + 92 368 184 92 + 184 + 23 368 16 483 Th… Question 2. (4 marks) Solve the problem of time-optimal control to the origin for the system 3'31 2 2:192, 5132 = —2a:1 + 471,, where |u| S 1. tri + T 2)The arts communities in 230 cities across the country were rated according to whether or not they have an art museum, a symphony orchestra, and a ballet company. There are 119 cities with an… Discuss with mathematical proof whether the ordinary least-squares estimator(s) for the remaining regressor(s) in the final model which may be a subset of model M1 (below) is biased. After trying m… Solve x + 13x = – 42 C = (Separate answers by a comma. Write answers as integers or reduced fractions.) Question Help: M Message instructor A minibus accelerates from zero initial velocity at 3 m/s 2 until it reaches a velocity of 15 m/s. It maintains its speed for 10 s and then decelerates to a stop at 1.5 m/s 2 . How long does the above… b Hence solve the equation 2+ 12 1 =3+2V2 2-V2 (3 marks] 3+2 12 x2= 3+212 2 2 = 1 Line / has equation y=-2x +4 and line /2 has equation 2x +3y =6 a Sketch /1 and /2 on the same axes. Show clearly the … BAR UNDER ADIABATIC CONDITIONS "Adiabatic" means no heat exchange with the neigh— borhood, because the bar is completely insulated, also at the ends. Physical Information: The heat flux at the … Specification Parameters Group Red Blue Green Purple Yellow Orange Unladen mass 10kg 10kg 10kg 10kg 10kg 10kg of crate Maximum load 900kg 900kg 900kg 900kg 900kg 900kg Slope 50 60 70 80 10 Coefficient… Suppose that G 1 =(V, E 1) and G 2 =(V, E 2) are graphs with the same vertex set such that χ(G 1)=χ(G 2)=10. Show that the graph G 3 =(V, E 1 ∪E 2) has chromatic number at most 100. A ball is dropped from a height of 125m. Each time it hits the ground it bounces back to 3/5 of its height. What will be the height achieved after the third bounce? (30 points in total): (a) (10 points) Suppose that the process Xt = e-ttaBt is a martingale where a is some number and Be is a standard Brownian motion. Find a. (c) (10 points) Apply Ito's lemma to… Detailed explanation please, thank you.. Use Gershgorin's theorem to prove that a diagonally dominant matrix does not have a zero eigenvalue and therefore nonsingular. Please help.. 27. Which of the following is a graph of the function: y = log 10 (x) b . (1,0) d. (1 ,-1> Express 27 =3 in logarithmic form. A. log, 3=27 3 B. log, 27 =3 C. log, 3=27 D. log,3 Let A = { 1 , 2 , 3 } . List all one-to-one functions from A onto A [3 marks) Suppose Jacobi method is used to solve the system I+fi=3 $4+2y=9 starting with (In, ya} = ((1.51 3). Do you expect iterations to converge to the solution (3:, y) = [1,4]? Justify,r your ans… Please provide Handwritten answer. Problem 1 (6 points) We are given a set of n nodes that can potentially all connect to each other over wireless. In particular, we assume that time is divided into t… it's on picture. Question: Question Number: (10/20) The missing number in the following table is 3 6 7 3 4 5 9 10 345 460 535 O 577 753 775 My replace E , F , G , H with the following 5 , 2 , 4 , 5 PLUG These numbers in please. MHF4U1- ASSIGNMENT A2 Page 4 of 6 DATE: FIRST NAME: LAST NAME: S#: e = _f = _g = _h iv) s(x) = ap(k(x … It say a shopper buys cat food in bags of 3lbs her cat eats 3/4 lb each week how many week does one bag last draw a tap diagram. CRavia. Smith 17/ stall esson 4 Practice Problema A shopper buys cat fo… Karen has a set of numbers that she is working with. {6, 14, 28, 44, 2, -6} What will happen to the mean if she adds the number -8 to the set? Determine the value of k so that the square form 3×2 + x2 + 2×3 – 2x1X3 + 2kx2x3 definite positive. 2. Determine the maximum and minimum values of 2×2 + y + 2 + 2xy + 2xz with constraints x + y' + … please help with question1. 1. A set S of vertices is an independent set if there are no edges between any two vertices in S (vertices of a common color form an independent set). An edge cover is a se… 31.An economy is based on three sectors, agriculture, manufacturing, and energy. Production of a dollar's worth of agriculture requires inputs of $0.30 from agriculture,$0.30 from ma… need your help. m H 0 -1 N on Compute the rank of the matrix A = -1 1 Please answer all parts to the question below. I will upvote! . 4. Explain why the inequality ela f(x) dx 0 holds true for all continuous functions f : [0, 1] -R. Draw an array to show 3×9 then break apart the array to show how you can use a2s fact abd 1 s fact to solve the problem Show that the norm functional on any normed linear space is continuous. Prove that Frank's t-norm and t-conorm (sz – 1)(sy – 1) rTpy = logs 1+ s – 1 xSpy = 1 – (1-x)T;(1 -y), where s E (0, co) \ {1} verify the relation xTpy + xSpy = Ity. A coin is dropped from a hot-air balloon that is 300 m above the ground and rising at 10.0 m/s upward. For the coin, find (a) the maximum height reached, (b) its position and velocity 4.00 s after bei… Which decimal has the GREATEST value 0.612, 0.67, 0.6, or 0.069? * 1 point 0.6 0.67 0.612 0.069 Harry purchased a bag for Php 134.60, a book for Php 328.23 and a tie for Php 80.55. How much is left wi… Hi I need help with these matrix and determinant multiple choice questions please, thanks! . a b C a e Let A = d e and B = 3a 3b 3c . Which one of the following statements mu… only final answer. QUESTION 8 Given the shaded Venn diagram below, select the simplified expression it models: O . (BF UC)nA O b. (En C) . JA Oden (CUA) QUESTION 9. . unknown O d. 300 At QUESTION 11 -… step by step. Directions – Identify the key components, create a compound interest equation, and answer the questions. You invest $2500 into an account that compounds continuously at 15%. How much mon… I'm stuck on this problem, and I'm hoping some steps will help me out!. The following table gives the percent of the US population living in urban areas as a function of year." Year 1800 1830 186… For a and b draw a minimal system of branch cuts so that the complement of the branch cuts is the domain for a branch of g. If it is possible, it should be a system of branch cuts that do not go off t… Place Value Objectives: Give the place value/value of each digit in a 6- or more digit number. Activity 1 A Give the value of each digit in the number 27 436 198 1) 2 5) 6 2) 7 6) 1 3) 4 7) 9 41 3 8) … Consider a classification tree – could it ever be advantageous to make a split where both of the resulting nodes are dominated by the same class? That is, would it be possible that we could split a "b… Use a truth table to determine whether the statement is a tautology, self-contradiction, or neither [d+ (d~vb~)]~ Is the statement ~[(~qA~p)<>p] a tautology, self-contradiction, or neither? O Tau… MY Denise says that 3 – 2 = 3 and gives the rea- soning indicated in Figure 3.31 to support her answer. Is Denise right? If not, what is wrong with her reasoning and how could you help her underst… 1 2x+50 Show that the equation is equivalent to x2 60 x(x+50) 70x – 3, 000 = 0 for all values of x not equal to 0 or -50. Explain each step as you rewrite the original equation. I am going to make pancakes for a big brunch. The eggs I have in hand weight 750 grams. How much flour milk(liquid) and butter(fat) should I use for my batter with 4 parts flour 4 parts milk 2 parts e… The following problem refers to a closed Leontief model. Suppose the technology matrix for a closed model of a simple economy is given by the following. P M H 0.5 0.1 0.6 Products A: 0.1 0.3 0 Machine… Please provide Handwritten answer. Consider missing reference from your side. By multiplying the following scheme, on+1 m – un m a in+1 m+1- + 'm m + – Um-1) = 0, k h h (1) by un+ + un and summing ove… Given the following graph a. Evaluate f(3) b. Solve for f(x)=3 Problem 4: The following subproblems are independent from one another. Recall that, given c E R" A E Rmxn and b E Rm, one may define the primal and dual linear programs (P) : maxtern cox s.t. Ax … The above picture is an example of a Math test with Accommodations. And below are the list of accommodations given. Allow use of a calculator to check the answer. Provide examples of how to solve the … Problem 1 (20 points) Consider the problem minimize f(:c) = %mTQa: — 6T3: EER" with 1 0 0 1 Q = 0 *7 0 and b = 1 O 0 '72 1 Consider solving the problem using the steepest descent method (with exac… Question 8 of 10 Your RRSP savings of $47,500 are converted to a RRIF at 4.19% compounded monthly that pays $5,212 at the beginning of every month. After how many payments will the fund be depleted? R… Applying Taylor series expansion, assume that the function of risk of one of the financial instrument which is in form of polynomial function where y = 2.5x 3 , X is interest rate, currently (X 0 =3) … Question 20 (4 points) Word Problem Question 4: (You have to submit an image of your FULL solution to the question in eConestoga -> Course Tools -> Assignments [Midterm Submission]) Sara bought … can you answer the below discrete math question using kruskal theorem and proof by mathematical induction . 3. Prove that if G is a graph with spanning tree T and e is an edge of G that is not… Find the duration of a 5-year, 6% coupon rate on a par value of RM1,000, non-callable bond that is currently priced to yield 15%. choose the correct written expression for 34-(9÷ 3)‥ Math (Grade 5) (PartA) PVA (Buzz) (FA21) / Choose the correct written expression for 34 – (9 : 3). 9 minus 32 divided by 3. The quotient of 34 mi… What's the values of a, b, and c?. a. 24 (atbtc) = 1.8 b. 24 = 1.b C. 24 = 6.6 (atb* ( ) How to simply this proposition using laws of logic? Discrete Math can someone walk me through the steps p↦p∧q QUESTION 16 e table shows the top four leading causes of death for one country in a single recent year sume the total population is 79.5 million. Cause of Death Deaths Heart Disease 262,100 Cancer 158… Consider the Cauchy-Euler equation 4x2y" -9xy' + 3y =0, y(1) = 0, y'(1) =3. (a) Find the auxiliary equation and its roots. (b) Find a fundamental set of solutions and the general solution for the… Use a rectangular array model to solve the following multiplication problems. Be sure to show the partial products. (a) 68 x 45 60 40 68 x 45 = (b) 13.3 x 6.2 10 3 6 ﷺ The cost in dollars for a cab ride is given by polynomial 1+1.19 X +0.2 3Y. In this context, X is the number of miles driven and why is the time in minutes for the ride Finite Mathematics and Applied Calculus (7th Edition) . MAT217 Project 1 GREEN APPLE To: Business Analysis From: Tony the Wildebeest, CEO Wildebeest, Inc. Re: Business Venture Analysis/ Economic A… Asap Please . (ii) Let G be the following Eulerian graph. E On 1 (a) Partition the edge set into cycles and hence find an Eulerian trail in G. (b) Is the complement of G also Eulerian? Solve using LINGO please. (20 marks) A furniture store at location 0 has deliveries to make to customers at locations 1, 2, 3, and 4. The time in minutes that it would take a truck to travel from one … find the complex valued Fourier series of the following. (Problem 8.3) Determine the complex-valued Fourier series of the function, f (t) = et, over the domain 0 < t < 27. (IMPORTANT: choice of… Here is row 8 of Pascal's triangle: 1 8 28 56 70 56 28 8 1 According to a simplified model, a certain stock goes either up $1 (U) or down $1 (D) each day, and is equal… content attribution QUESTION 8 . 1 POINT Delta has decided to start a side business as a photographer. She purchases a camera for $1600 but it loses value at 12.5% per year. How much will her camera b… Usted desea entrar a una negocio que le generará un flujo de caja (ingresos o rentas) de $us10.000 anuales durante los próximos 15 años. Cuanto debería pagar por entrar a este negocio si desea obt… how to solve this question?. EXERCISE 4.5 Please solve the following integrals using partial fractions. 2 1. d.x x(x2 + 1) 13 + 4x + 6 2. I' + 4×2 -d.x. 3. 4×2 + 3 -d.x. 4. dx (x + 1)(x2 + 1) 5. 23 – … Plano nakaaapekto ang naturang konsepto sa buhay ng tao at iba pang nabubuhay na organismo sa daigdig sa kasalukuyan for those two partice question could you help me to fix. (1) Let H C (Q, +) be a subgroup generated by finitely many elements. Prove that H is cyclic. (2) Does there exist an element o E Sis such that… The function g(x) was transformed from the original f(x) = lOQnsX. We know that there was no vertical shift involved. the graph of g(x) has an asymptote of x = 2, and goes through the origin as wel… business mathematics. Question 27 (1 point) Tina, an entrepreneurial business student, wants to set up a business completing tax forms for other students. Her price would be $50 for each job. Fixed ex… Richard has just been given a 8-question multiple choice quiz in his history class. Each question has five answers, of which only one is correct. Since Richard has not attended class recently, he does… Objectives The objectives of this laboratory are: To determine the volume of a Government of Guyana $5 coin by displacement and mathematical equation Calculate the density of the glass marble using ea… Reflect on your professional or personal world. What is an example of a situation that you might be able to use an equation with a single unknown to help understand? What is an example of a situation … Please provide Handwritten answer. Q-using a 3 point (second order) interpolating polynomial, the value at x=1.6 is (Use 4 digits) Xi F(x) 1 3.320 1.75 8.166 2.3 15.780 3.4 59.15 Kindly answer the following questions. Ultimately, using Luhn Algorithm, the sum of the new list of digits will give mod 10. * Your answer This is a required question. Suppose Peter wants to know the … Answer is 75 (to 3 significant figures) not 74.6 rounded to 75 I get 74.6 which is not correct what am I doing wrong Giving a test to a group of students, the grades and gender are summarized below A B C Total From a group of 10 people, you randomly select 5 of them. Male 9 19 1D 38 Female I" 2 3 12 Total 16 21… Let (Be)to be a standard Brownian motion and (Xt)to be the process defined as Xt = Bt – tB1, 0<t<1. The process (Xt)oct<1 is called a Brownian Bridge. (a) Compute the means E(Xt) and the cova… please solve. 1. [-/1.25 Points] DETAILS HARMATHAP12 13.2.009. Evaluate the definite integral. (9 – 2x) dx Need Help? Read It 2. [-/1.25 Points] DETAILS HARMATHAP12 13.2.025. Evaluate the definite int… Please provide Handwritten answer. solve the function.. PQ)= on (x) + by 4 (x) nao If you have a wooden board that is 0.7metera wide, how long should you cut it such that the Golden ratio is obeserved. The Golden Ratio is the number 1.618. (Use positive exponents only.) (r) (1 + j) n (Do not evaluate. Use positive exponents only.) What was the age distribution of nurses in Great Britain at the time of Florence Nightingale? Suppose we have the following information. Note: In 1851 there were 25,466 nurses in Great Britain. Age ra… The table below represents the probability distribution for the number of diapers needed per day. Diapers Needed Probability 5 0.29 6 0.39 7 0.1 8 0.22 Question A). Suppose that two digit two-digit ra… Can you please help me with this I badly need help.. MARKET EQUILIBRIUM I DISEQUILIBRIUM show complete solution. 1. Refer from the given and complete the table below by computing 1 identifying the qua… Please answer all parts to the following question! I will upvote!. 4. Let Q) denote the set of rational numbers. Show that card(Q) = xo. What is card(R\Q)? Sebuah mobil seharga Rp 250.000.000 dapat dibeli dengan cara mengangsur 12 kali angsuran bulanan sebesar Rp 24.000.000. Tentukan tingkat bunga yang dikenakan Illian Fok is president of Lakefront Manufacturing, a producer of bicycle tires. Fok makes 1.200 tires per day with the following resources Labor 400 hours per day @ $12 50 per hour Raw Material 21,00… Math 1320. [0/5 Points] DETAILS PREVIOUS ANSWERS M The values of two functions, f and g, are given in a table. One, both, or neither of them may be exponential. Give t enter DNE.) X -2 -1 0 1 2 f (x) … Determine the A/G factor For 10 years if the interest rate is 2% per month compounded daily, Assume 30 days def month in decimal places) Question 2. Does this graph have an Euler circuit? if so find one. Start at vertex A. Explain your answer. Untuk himpunan-himpunan berikut, tentukan semua subset-subsetnya. Selanjutnya buat masing-masing diagram subsetnya. (a) {2, 3, 4} (b) {∅, {2, 3}} (c) {a, b, c, d} D Question 27 5 pts How many positive divisors does 4200 have? Question 28 5 pts Recall that a means the modular re

annually. (a). Find the value of the annuity after three years. (b). Find th… Sir, I am stuck on this question Sir, it's a humble request please step by step and double-check if I put even a single point wrong they consider wrong. (2 points) A person's utility function is giv… given x = [1,2,3], y = [3,2,1] Using R 3 + , is it true that x ≥ R 3 + y? Explain why. Plot x − y and R 3 + . I understand the answer is no becaue not all a i >= y i. But how do I plot R 3 + Help. Mathematics d or crea you 4. Lori and Mike Boyd have a combined Electricity $ 2,960.00 monthly gross income of $13,395.00. Their Water 1.194.50 ur in heel records show that last year they paid B… l [9 marks) Consider the integral / tanx {111: U (a) Approximate the above integral using Simpson's 3 f 8 rule. (1)) Approximate the above integral using composite Trapezoidal rule 1with 4 points. please do it all in steps and this is Data and Management 4u. thank you . E hwdsb.e|earningontario.ca In this assignment you are going to focus on: Empirical and Theoretical Probability Total Marks: … Make a tree diagram to show all the possible sequences of answers for four multiple choice questions, each with four possible responses. Assuming that you are guessing the answers so that all outcomes… Classify the following neither as an objective or objective measurement A boy has constructed a rocket out of a cardboard. The shape of the rocket is a triangle on top, a rectangle at the middle and a trapezoid at the bottom. The geometric figures measurements are: a. … Your employer is trying to select from a list of possible capital projects. The projects, along with their cost and benefits, are listed below. The capital budget available is $1 million. In addition … You are in level, unaccelerated flight, maintaining 100 knots with a total air temperature (TAT) of 5 degrees Celsius. If you accelerated to 150 knots with all other variables remaining the same, w… Which of the following radian measures is the largest? 3TL d. n C. a. b. 9 4 N 5. The exact radian measure of 210 is: d. a. T b. 4 C. 3 (a) Compute the LU factorization of A using Gaussian elimination without pivoting. Write the elements of L and U in a notation similar to above; i.e., do not write out the matrices L and U in full. (b… Two large plates are 6 mm apart and the space in-between in filled with a fluid. A plate of 1 mm thickness and 10 cm square is pulled parallel to the planes and midway between them with a velocity of … OX+ 5 3. Find the values of a and b so that the graph defined by f(x) = -bx+3 will have a vertical asymptote at x = 6 and a horizontal asymptote at y = – 14. (3 marks) I need help answering this please. Divide Using Long Division 8 95 537 6 90 Divide Using Partial Quotients 4 94 78 8 – 4x _P. – 7x_2 ? Divide Using Partial Quotients 37 8 5 9 3 x 20 5 x Q 1 8 50 Example C.1.4. It is standard to endow the real vector space C' [a, b], consisting of functions f : a, b] – IR that are continuously differentiable on [a, b], with the norm llflora, b] = max If' (t) … GeGe memproduksi permen memiliki beberapa mesin produksi. Berikut ini data mengenai waktu penggunaan jam mesin dan biaya pemeliharaan tahun 2019. Bulan Jam mesin Jumlah biaya pemeliharaan Jan… A bowling ball is launched off the top of a 240-foot tall building. The height of the bowling ball above the ground t seconds after being launched is s(t)=−16t^2+32t+240 feet above the ground. What… I need help with this . 1. Let E = {2n:n E Z}. Then (E, +) is a group. 2. Consider M = {0,1,2,3,4, …3. Is (M, +) a group? 3. Let G be the set all rational numbers except -1. Show that (G,*) is a gr… 8:56 pdsb.elearningontario.ca 4 of 4 4 |Page 10. Determine all the zeros, both real and imaginary, of the polynomial function f (x) =-x6 +1. [4] Hint: You may need to use difference/sum of cubes or di… Solve the following problem.. Let fn be the number of ways to choose a permutation 7 of {1, 2, . . ., n} and then color each of the cycles of 7 red, blue, or white. Find a simple formula for f(n) (not… Dada la siguiente función cuya regla de correspondencia se indican; determina: el dominio, la amplitud, el periodo, la traslación horizontal (ángulo de desfase o desfasamiento). . N f(x) = 3 sen X… Fans of a college football team are excited after their team wins the game. They rush onto the field. How many people can fit onto the field of 100 yards by 50 yards? Make sure your answer includes… I was wondering if I could get help on Rich Eisen assignment A theory predicts that the relative frequencies of various personality traits in the general population are .5 for Type A personality, .25 for Type B and .25 for Type C. To investigate this theory,… anyone please help me solve this , urgent. QUESTION 2 a) Construct a truth table to determine whether the statements below are equivalent or not. ~[~(pvq) – p]- ~pi~q (5 marks) b) Verify that the prop… solve the following intergral equation. 13- 21 – 21 + 62 Kago spends 510 dollars on meat in the month of June. The meat costs Px per kg. Express, in terms of x, the amount of meat, in kg, that Kago buys in June. 2. In July, the cost per kg of meat increased… Explain and iclaws 2. I Here is Amy's explanation for why the com- mutative property of multiplication is true for counting numbers: Whenever I take two counting numbers and mul- tiply them, I always … Let T, J, D ER", A, BE Rx be symmetric matrices, assume A + B is invertible. Let f(x) be the sum of two quadratic forms: f (7) = (7 – 7)TA(X –)+ Show that f can be written as a single quadrat… In how many different ways can three distinct horses finish the race, if all sorts of ties are allowed to happen?. In how many different ways can three distinct horses finish the race, if all sorts of… TRY Solve the system of the equation is AB where A is the free term: matrix of the system and B is column free. A= ; B= A ; B SYTEM OF LINER EUQATION. ; B= A= ; B= step by step. Ian, Richard, and Erin invest $21,000, $12,000, and $17,000, respectively, to build a boat. After the boat was built, Ian decided to sell his share of the investment to Richard and Erin.… Hi, I am in difficulty when I kept trying to do this question. Could you give me a help to solve this question? Thank you so much. Note: reference and links below <reference> &… QUESTION 2 ABC Manufacturing uses a special chemical (RG4) in manufacturing operations at its four divisions. Only five suppliers make RG4. All five suppliers can produce RG4 in sufficient quantities … Explain at length the following.…. Based on the YouTube video about application of mathematics assigned, what if the mathematics u identified (or any mathematics) is not used at all, what do you … . Needing help with the following problem: Tim wants to design the vault room for a bank safe. He plans to place safety deposit boxes approximately 6 feet high by the approx length of the room's w… Instructions: Show ALL your workings and submit answers in handwritten format. 1. Wild West produces two types of cowboy hats. A type 1 hat requires twice as much labour time as a Type 2. If all al… please help! for my combinatorics class, I will upvote solution! Compute the ratios of consecutive Fibonacci number, starting with F2/F1 , F3/F2 and continuing until you reach F13 /F12 (8 points) The fungus Entomophthora muscae parasitizes flies. Before killing the flies, it makes them climb to a high point and get into a special pose, apparently to better spread the fungus' spor… Please can you help with these problems and please can you show all your work. Please use the given lecture notes to help solve the problems. 1. Find the principal argument Argz when – 2 (a) z 1+ 3i (… Finance Practice Problems: Simple and Compound Interest Score: 6/16 7/16 answered . Question 9 < You deposit $6000 in an account earning 6% interest compounded monthly. How much will you have in th… Try ? < Question 3/51 > 00:22:16 Submit Te Rachel worked from 1:30 PM to 4:45 PM on Sunday and from 3:15 PM to 9:00 PM on Monday. If she makes $12.50 an hour, how much did she make for those two… Let T, A ER", A, BE Rx be symmetric matrices, assume A + B is inve Let f(x) be the sum of two quadratic forms: – HA(X – T)+ I TB Show that f can be written as a single quadratic form plus some … In the following problem give your answer using the notation n P r or n C r . You don't have to give an actual numerical answer. There are 10 athletes entered in a race. If a gold, silver, or br… sistem persamaan linear. Victoria, Citra, dan Irene masing-masing berprofesi sebagai pembantu, babby sitter, dan tukang cuci di rumah majikan yang berbeda dalam satu komplekserumahan. Karena sebentar … \log_{ 2 }({ x+7 }) – \log_{ 2 }({ 6 }) = 3 In reference to model (1), suppose that the researcher obtained data from a sample of 145 workers and estimated model (1) and the appropriate restricted model for testing the hypothesis that both β 1… Could you please help me with this question and explain why.. 5. Find a solution to the equation a2 + 62 = 1R in each of the following unital rings R. That is, exhibit an explicit element a E R and an… Question ONE Consider the narrative below and use it to answer the Iuestions that will follow: 0n the 14″ of December 2021. the final race in the Formula 1 series took place in Abu Dhabi 's Yas Mar… Pass with a p. The matrix below gives the yards gained for the offense in each of four football scenarios. Suppose the defense always defends against the pass and the offense passes with probability p… thx for helping me for question a and b. 4 cm 11/ The figure shows a wooden tray without cover The thickness of the tray is 1 cm 5 cm 1 cm. (a) Find the capacity of the tray. 30 cm (b) Find the volume… c) Calculate the difference in monthly payment for someone with a very good credit rating (780) with someone who has a low credit rating (640) . d) Find the total amount of interest paid for someone w… Calculate the real values of x and y such that (x + y)3i3 bigger than 8 10. Find real values of the number "a" from which ai is a solution of the polynomial equation x4 — 2×3 + 7×2 — 42 + 1… Please provide Handwritten answer. Advanced Math Axiomatic Proofs . 7. PS4 OP – DOOP 8. FTO(P – DQ) – (OP – Q) 9. FS5 (PAOQ) + (OPAOQ) find the Fourier transform:. 1. Find the Fourier transform of the triangular function, f (t) = A(1 – ct), x 1/c, |ac| > 1/c. just the steps needed. M P, + 2 p1 12 1 2 1/2 Differentiate a with respect to p Instructions: the following include determining the trucking charges associated with each shipment using the conversions, tables and CIFFA – Logistics Canada Trucking Chart found in CIFFA Appendice… Find the Fourier transform of the following function. f(x) =5e^-2|x-3| (3 points) Describe an infinite list of uncountable infinite sets and explain how you know that your sets are each uncountable infinite. Your description should be clear enough that any classmate … Find dy and given y' – 6x – 3 = – 6y. dx da 2 dy da Note: Answers with y' are not allowed. day Submit Question Question 7 dy day Find and da given 2 y – 1x – – 3y. da 2 dy dx 1 + 3y2 Note: Answers wit… Prove that there exists no rational number x such that x2 = p, where p is a prime number (A prime number is a natural number (greater than 1) that cannot be written as a product of two smaller natural… Una empresa tiene dos plantas, planta ly planta 2, que fabrican un producto. La funcion de costo total esta dada por: C = f (x, y) = 30×2 + 0, 4y2 – 14x – 5y + 2000, donde x y y son las unidades produ… Ryerson University – Calendar x RI my.ryerson | my.ryerson Portal x RI Pearson – QMS110 – Applied M X Pearson MyLab and -> C @ mathxl.com/Student/PlayerHomework.aspx?homeworkid=61000826&questi… Flow problem: You are running a shift and expect to have 500 hours of labor for pick and pack combined. We have singles, LTL's, and donations available to pick and pack. Expected rates are posted belo… Section 2.5 Non-Regular Languages 53. The Regular Languages Pumping Lemma. Let L be a regular language. There exists an integer n > 0 such that any string w E I. with length |w| 2 n can be written … Problem of SDE and Ito Calculus (Bt is a Brownian Motion) 1-Consider the process d X t = − a X t d t + b (X t) d B t with X 0 = x . a) Use the Integr… Let (0, F, P) be a probability space and (X,), > an iid sequence of random variables such that 3 P(X,, = 1) = 10 P(X, = 2) = P (Xn = 3) = 10 and P (Xn = 4) = 10 for each n E N. Consider the sequ… Do larger universities tend to have more property crime? University crime statistics are affected by a variety of factors. The surrounding community, accessibility given to outside visitors, and many … Let IT(V, E) be a connected graph with V = n. Prove that |E| > n – 1. Exercise 3.8.36. [S] [Section 3.3] [Goal 3.1] [Goal 3.3] Taxing gasoline. The federal tax on gasoline at the end of 2011 was 18.4 cents per gallon. That hadn't changed since 1993, when gasoline cost j… Question 24 (3 points) Calculate the purchase price of the $1000 face value of the bond. (Assume that bond interest is paid semiannually, that the bond was originally issued… create an essay about learnings in general mathematics which includes the following topics: simple and compound interest annuities stocks and bonds business and consumer loans You can focus on per… For twoeventsAandB,P(A)=0.4andP(B)=0.1. (a)IfAandBareindependent,then P(A|B)= P(A∪B) = P(A∩B)= (b)IfA,Bare dependentandP(A|B)=0.2, P(B|A) = P(A∩B)= 24.3. Let A be a 10 x 10 random matrix with entries from the standard normal distribution, minus twice the identity. Write a program to plot "etAllg against t for 0 g t g 20 on a log scale, compa… Out of 9,700 college students surveyed, 194 responded that they do not eat breakfast. What percent of the students do not eat breakfast? Given the production function Q = VK2L, write down the isoquant through the point with K = 3 and L = 4 as a function K = f(L). (Suggestion: You may try to use the GeoGebra applet Contour Lines (HKU… y el piso, zcual seria la aceleracion que le causan Jorge e Isela a la caja? A) 2 m/s2 m 3 m/s2 C) 4 mis2 D 5 m/s2 Toma en cuenta la fuerza de friction Ahora, si tomamos en cuenta la fuerza de fri… step by step. Richard paid a two-year subscription amount of $445 to receive a magazine every week. After receiving 21 magazines in the second year, he cancelled his subscription. Assume that 1 year =… 3 f(x) 24 Problem Set: D (1) State the appropriate formulae used in solving parts (i) and (ii) of this question then demonstrate the use of the formulae in finding your answers. (i) Determine how many… urgent please help. 3.85 x 102 ((1.30 x10) x (1.59×109)) For the above math problem, please choose the appropriate answer in the correct significant figures and in scientific notation. 1.9 x 10-4 1.8… Convert: 1. 3 days to minutes 2. 1 quart to tablespoons 3. 2 weeks to hours 4. 16 pounds to ounces 5. 126 inches to yards 6. Robert has 2.673 liters of soda. How many millilite… Assume x * 1 = 1:216, x * 2 = 3:654 have 3 significant figures, then find the relative error bound of x * 1 x * 2 ? solve it please! atleast show the relevant steps. 4. (Queue-length stability in wireless channels) Consider a simple model of a discrete-time wireless channel: the channel is ON with probability / and… A computing system has a single printer attached to print out the output of the users. The operating system software sends an average of 20 requests per hour to the printer. The printer is capable of … Term 1 Homework 9 – SUVAT Source: Edexcel June 2006 – M1 {03) 3. A train moves along a straight track with constant acceleration. Three telegraph poles are set at equal intervals beside the track at p… Marla is helping to make small stuffed animals for a school fundraiser. She needs = yard of brown material to make a teddy bear. She needs – yard of grey material for an elephant. Which symbol make… Given the following two sets of cash flows: Option A: $13,870.08 in 6 years plus $Y in 13 years time. Option B: $50,218.90 14 years from today. The nominal rate i(4) = 5.896% makes the present value o… Using the definition of multiplication, explain why it makes sense to multiply 4 . 6 to determine the area of a 4-foot-by-6-foot rug in square feet. (1 point) A survey of 1970 people who took trips revealed that 138 of them included a visit to a theme park. Based on those survery results, a management consultant claims that less than 8 % of trips … In mid-201?, the number of people around the world who have access to internet is 3.9 billion users. For a YouTube video to successfully go "viral", it must exceed 5 million views between 3 to … I need help with problem 1b. Problem 1. (40 points) Let f0, f1, f2, . . . be the Fibonacci sequence defined in zyBooks (f9 = 0, f1 = 11 and for every I: > 1, f1; = fk_1 + fk_2). This problem will … \\\\

the following Graphs: Graphs G1 C f Graph G2 k m P Graph G3 t W X (a) Decide which two graphs are isomorphic. Justify this with an isomorphism. (b) The other graph is not isomorphic to the two w… Sir i am stuck for this question . Use 18 rules only to prove the following argument in our system: 1. C= (D . E) 2. (E VF) – G 1..C=G Problem 6.1, 15 points. Consider the following decisional problem DP. Let G be a cyclic group of prime order m and let g, q be generators of G. Consider the experiments associated with an adversary 1:… all are multiple choices (advanced function grade 12). D) ABC 2) WHAT IS THE HORIZONTAL ASYMPTOTE OF 4 = 22-5 ? A) O B) S C 5 D) – Z E) NONE OF THESE 6-7x 3) WHICH FUNCTION HAS INFINITE BEHAVIOUR … BROADENING OF CONCEPTS LET'S DIG DEEPER! 1. How can we apply the concepts of rational functions, equations and inequalities in our life? 2. In solving rational equations and inequalities, there are fo… nothing I can think of. Enter the compound inequality shown by the graph. 5 6 7 8 9 10 1 12 13 14 15 The compound inequality shown by the graph is) Using the example 37, describe the procedure for turning a mixed number into an improper fraction, and explain in your own words why this procedure makes sense. What is the logic behind the proce… Solve both using truth tables and show your work.. Pv Q deMorgan's 7 (P 1Q 7 12 v 7Q Of Morgan's Question 5 (1 point) Assume we have the following sales figures 2023 : $200000 2024 : $234000 2025 : $241000 2026 : $248000 2027 : $250000 2028 : $254000 Given this information, what was our average c… Compute the following 1. d (21000 3679 19400) 2. 4 (10!) 3. (81000) by first finding the prime-power factorization. B. Use your answer to part (A) of Problem 4 to compute: 1. 10121600 (mod 81000) … Sir i am stuck for this question with neat explanation . Task1 (A In a design for a suspension bridge, the following hyperbolic function formula is used to design the shape of the suspension cables:… 1st grade math. Performance Task Making a Fruit Bowl Bill has 5 apples and 5 bananas. O He can put only 5 pieces of fruit in a bowl. He starts a table to show all the ways he can put fruit in the bowl… An Inventory of two types of ceiling lights shows a total of 76 lights valued at $375. If type A cost $10 each and type B cost $3 each, how many of each type of ceiling lights are in inventory? a- The… Write an analytical expression for the membership function μA(x) with supporting interval [-1, 9] and α-cut interval for α = 1 given as [4, 5]. Let A, B E R are open sets such that A * 0 and B * 0. Prove that A X B is an open set and A X B| = [A| |B), where "| . |" is the Lebesgue measure. One mean mean. Suppose an instructor reports exam scores as follows: 4 scores equal to x , 6 scores equal to (x + 2), 6 scores equal to (x + 8), 2 scores equal to (x + 15), and 2 scores equal to (… Find the minimum of the function f(x) = log x with the initial trial step length as 0.1 using the quadratic interpolation method. Notes for Study. Venn Diagram. Create a Venn Diagram and answer the questions for the following situations. Show all answers as fractions and percentages. Round to one decimal place. Of the 19 fast fo… Management Science: Give the Correct Answers and Show Complete Solution. Item 4 Choices/Options for A. A firm has prepared the following binary integer program to evaluate a number of potential locati… Find the eigenvalues and eigenfunctions (1-x^2)y"–xy'+?y=0 , y(1)=1 and y'(1)=0 during a week of training, Beth Andrews rode her bike 80 miles on monday, 75 miles on tuesday, 135 miles on wednesday, 40 miles on thursday, and 52 miles on friday. what is the total number of miles s… (A)Determine the jacobian matrix (J) and the jacobian j of the following bi-linear isoparametric element. (B) identify the values of $^{\xi,\eta}$ for which the jacobian matrix is singular. What are the imp… Please solve all of the questions. thank you Subject: Engineering Data Analysis Question 1 Question 2 Question 3. Suppose a special type of small data processing firm is so specialized that some … 9'} Given the following situation, flag whether you need to calculate the Win-sin" or the mm {mm} of the investment or loan. a] James invests $1000 in a savings account earning 5% compounded annual… Compare and contrast the traditional concepts of literacy to the modern view of literacy 1) A manager of a large corporation recommends a Rs. 1,00,000 raise for a subordinate. What internal and external sources of data can be used to determine if such a salary increase is appropriate? ?… Use a truth table to determine whether the statement is a tautology, self-contradiction, or neither (b~vd~)Vb Is the statement q/(~PA~q) a tautology, self-contradiction, or neither? O Neither O Self-c… Part b Question 1. 1. Factor fully. Write a division statement. a) f(x) = 2x-3x-8x-3 Topic: Simple and Compound Interest Instruction: Solve the following problems using the application of normal distributions. For Problems 1-3, calculate the number of days for which interest should be… Complex numbers. Q1. The complex numbers w and z are defined such that arg z = ~ , |z| = 1 1 and arg w = -?. Given that arg (w + z) = . Find the value of z), giving your answer to three significant fi… Use Wolfram Mathematica coding to solve. Show comments and pictures for step by step process. 1.) Plot all the given equations in one graph. Label the x-axis, y-axis, and the graph. Differentiate… (5 pts) How many weeks need to go by before they have no more anger? Hint: Make a table to keep track of each one's anger. You may guess and check or use algebra (if that is a skill you would like … For nos 12. – 15, compare the following decimals and write the symbol < , > or = to complete the statement. 12. 0.0007 ____ 0.0070 13. 54.601 ____ 54.610 14. 80.0012 _____ 80.0012000 15. 0.00… Complete each of the following: Show your work. a. 17 + (-3) + (4) + (-2) = b. 15-3-(-5) + 2 = c. (-27)(54) = d. (113)(-2) = e. (-14)(-100) = f. -34/-2 = g. 322/-11 = Evaluate each of the followi… Hi i need help with this question.. Question 4 Figure Q4 below shows the use of a copper heat sink (of mass, m, specific heat capacity, c and exposed surface area, A) to transfer heat away from a CPU … ARTICULO PARA LA VENTA LPS 958000.00_____ FIRMO FCTURAS POR COMPRAR MERCADERIA AL CREDITO LPS 278500.00_____ DINERO EN EFECTIVO LPS 17,000.00_____ CUENTA DE CHEQUES CON EL BANCO DE OCCIDENTE … multiple linear regression model. The model was built in an attempt to better understand why students at area high schools perform differently on the state high school mathematics exam. The average te… Question Graph the line passing through (6, 1) whose slope is m 3. Consider a rod of length L=1.0m and cross-section area A=10""m . The two ends of the rod are maintained at 100 C and 0 C respectively. Using the finite-difference method discussed in class, … A survey was conducted when the world population was about 7 billion, and 2.03 billion people wanted to stay in their country. Among those in the survey that said they wanted to leave their country, 2… Using the text, Page 43, answer question 4A and 4B question 5A and 5B (Where the problem requests a mini lesson – provide a step-by-step description of what you would do to remediate the student's err… Name the steps and described the procedure,name three mistake procedure done incorrectly,name two visible procedure 2/3+3/4÷5/8=8/12+9/12×8/5=17/12×8/5=136/60=1|36/60 answer please Business Mathematics Topic: Annuity Solution is needed . Directions: Find the future value and the present value of each ordin… Replace E, F ,G ,H with 5 ,2 ,4 ,5 . g 2. Determine the instantaneous rate of change of m(x) = (-1jetlgx2 + (-1)/hx+ (-1)/fatx = (-1)9+1(g -1) TYPE WRITE YOUR FUNCTION AND x HERE m(x) at x = can you help me?. x-5 Find all asymptotes of f(x) = x2-8x+12 from the number theory, thank you!. Problem 1. Let f be a multiplicative number theoretic function, and let god(a,b) = d and Icm (a,b) = m for given integers a, b. Prove that f(a)f(b) = f(d)f(m). What is the horizontal asymptote of f (x) = 3x-15 X+5 a. 3 C. -5 b. 1/3 d. -1/5 2. Find for the vertical asymptote of f (x) = 31-4 6+1 a. 1/6 C. -4/3 b. -1/6 d. 4/3 3. Which of the following in not… Help wanted to understand. The boxplot below shows salaries for Construction workers and Teachers. Construction Teacher 20 25 30 35 40 45 Salary (thousands of $) If a person is making the minimum sala… Math. Question 11 Use the following diagram to determine AD N FC A B C H G D F 00-0 AF O T AF O O 81 88 1 81 O O The graph below shows the real heartbeat of a pig. While it isn't a perfect sinusoidal function, determine an approximate equation to model the disparity of the heartbeat over time, D(t). If you do… What two equal payments, one on October 15, 2021 and the other on February 7, 2022, will replace the unpaid payments of $2400 on February 14, 2021 and $3500 on August 2, 2021? Assume that money ear… this is for o levels GCE maths and I need answers step by step within 5 minutes plz. 4. Brampton is 70 kilometres due east of Abbott. The bearing of Corwood from Abbott is 015° and from Brampton … A parabolic equation has the following general form: x 2 – 12x – 2y + 42 = 0. Express the general form of the parabolic equation in the standard equation of the parabola, and determine the vertex v… . Assumed there are X times to execute divisions, with q1, q2, q3, …, etc. for the quotient in each division and r1, r2, r3, …, etc. for the remainder in (a.) and there are Y times to execute subt… . 2. Consider the initial value problem i = Ax, z(0) = 1 where A is a constant. What is its exact solution at t = h ? Give the expression of one step with stepsize h of the Taylor series metho… Topic: Functions; Mathematical Modeling using Functions (Please explain/give solution EACH question.). 1. Is the relation ((1,2), (2,3), (3, 4), (4,1)) a function? 2. Which diagram represents a funct… Excel spreadsheet that is capable of calculating a students final grade. How could I put this in an excel spread sheet? After it is created, what formulas can be used to arrive at the course grade by … Jeff and Laura then decided to figure out their Estimated Monthly Expenses, Sales and Profit for 1000-6000 sandwiches. They put their calculations in the table below. Number of Sandwiches Estimated Mo… Problem 4. Show that the process defined by St = sinh(C + + Wt), where (We) is a BM and C = sinh (ro) , is a solution of the stochastic differential equation 1 dSt = [V (1 + $7) + ; St]dt + (1 + S,)dW… Quick and Easy Car Lot lent you $9,000, as an add-on loan, to buy one of their cars. The loan was for 3 years and 7% annual simple interest. How much will you pay monthly for your car? After all the p… What is the lower outlier if Q1 is -17 and Q3 is 110? Using the Empirical Rule, in a normal distribution what percentage of values would fall into an interval of -12 to 60 where the mean is 24 and … Round to the nearest dollar. How much should you deposit at the end of each month into an investment account that pays 5.5% compounded monthly to have $2 million when you retire in 42 years? How much … Elizabeth receives a yearly salary of $59,800 . She is paid weekly , and her regular workweek is 35 hours. a) What is her gross pay per pay period? b) What is the equivalent hourly rate o… ABC Inc. produces two commodities – X and Y. The prices, P x and P y , received when Q x and Q y units of product X and product Y are sold are given by the following functions: P X =… Advance Operations Management. QUESTION #2 SHORT TERM SCHEDULING 25 MARKS Part 1 (15marks) Five architectural rendering jobs are waiting to be assigned at the Urban Development Corporation (UDC). Thei… plot the following points in the coordinate system A(2, 1 b) Before we analyze the standard division algorithm, let's use base ten blocks to find the quotient to your word problem. You have 231 (represented using 2 flats, 3 longs, 1 one) that you want to dis… Hi I need help on what is the answer to this problems? Below is the question and other concerns will be in the comment section . I hope you can help me and surely I will give you full positive feedbac… You need to rent a car. Cheapo Rental charges $.25 per mile plus $50.00 daily fee. Rentals-R-Us charges $.20 per mile and a $53.75 daily fee. At what number of miles will the two companies cost the sa… A furniture company is producing four types of furniture. There are 1855 board feet of wood available. Product A requires 2 board feet of wood. Product B requires 9 board feet of wood. Produ… Formula 6. 2. In the preceding program, solve for x(0) and y(0) for 0 < 0 < 1, and draw the graph of u(0). For which 0 is x(0) not unique? As 0 increases from zero, where does the perturbation f… There are 60 people at a local Los Angeles sports pub. 50 like the Los Angeles Lakers, 2 like the Los Angeles Chargers, and 9 like neither team. How many people like both the Lakers and Chargers? The cost to produce a new product is determined to be $180.00. You are to calculate the regular selling price for this item accounting for a series of trade discount of 15% and 4%. The operating pr… MC 7. 7. Which equation does not represent a polynomial function? a) fx = x +2 b) (x = x+ 1 x – 2 x-3 (x-4) c) f x = x – 2x+5x d) f(x = 2" – 3 You are driving at a reasonable constant velocity in a van with a windshield tilted 120∘∘ relative to the horizontal (Figure 1) As you pass under a utility worker fixing a power line, his wallet f… I Using the example ; + 9, explain why we add fractions the way we do. What is the logic behind the procedure? Make math drawings to support your explanation. Sir i am stuck for this question . 4. By using the formulas and the derivation rules, calculate the partial derivatives of order I and II for the following functions: sts.cameron.edu X Function Composition – MATH X Watch It Player | Cengage Lear X C Math C A webassign.net/web/Student/Assignment-Responses/last?dep=28101051 17. [-/1 Points] DETAILS KMBIALG7CR 11.2.01… LEARNING THE BASICS 5.9 For the following determine P(X) given: N X P(X) a. 5 0.11 b. 12 0.45 c. 14 0.55 d. 8 0.85 An airplane flies 180 kilometers from an airport in a direction of 210. How far west of the O' N airport is the airplane then? How far south? In navigation, directions are given in degrees measured cl… . Consider a pension scheme that provides a pension of U600: of final pensionable salary for each year of scheme service on retirement for any reason. Final pensionable salary is the average annual… Find the solution of the following IVP. * 5 points (very)dx + (xexy + sin(y))dy = 0, y(0) = n exy + cosy – 1 = 0 3exy – cosy – 2 = 0 O Option 1 Option 2 2exy + cosy – 2 = 0 exy – cosy – 2 = 0 Option 3… his book Chances: Risk and Odds in Everyday Life, James Burke states that there is a 72% chance a polygraph test (lie detector test) will catch a person who is, in fact, lying. urthermore, there is ap… Hello Tutors, Please help me make a table and a graph for my data presentation. I provided all the data needed, I will be grateful for all the help I will get and it will be very much appreciated, tha… I need help. Find the future value of an ordinary annuity if payments are made in the amount R and interest is compounded as given. Then determine how much of this value is from contributions and how … A single card is chosen at random from a standard 52-card deck. Find the odds against it being a red queen. It's in french but help me please because i'm very noob. Exercice No3 On s'interesse au script ci-contre. 1. Verifier a l'aide d'un calcul que le scripte annonce 28 quand est clique si l'utilisateur e… Se realizó un estudio para determinar los ingresos anuales de las parejas casadas en las que sólo los maridos proveían de dinero y aquellos en que ambos cónyuges estaban empleados. La tabla propor… Evaluate I = ∮ z (z 2 + 2 z − 3) (5 z + 3) d z using calculus of residues. Here, C is the closed, counterclockwise circle of radius 2 centered at the origin, |z|=2 Sir i am stuck for this question with neat explanation. (a) Solve the following Indicial equation (42)*2 X (4)(2x-3) = 16 Task 5 Concrete blocks are tested and it is found that, on average, 8% fail to… Check my Janet Woo decided to retire to Florida in 7 years. What amount should Janet invest today so she can withdraw $55,000 at the end of each year for 20 years after she retires? Assume Janet can i… The 2 axis is inclined at an angle of 6 = 13 degrees from the vertical, and the line of action of the force applied at A is vertical.. Part Description What is the moment of the force about the x axis… Use Solver to find the optimal value of the objective function of the following linear programming problem Minimize Z = 27x + 12y Subject to: 8x+5y_&… A student deposited $X in an account that yields Y% interest compounded annually. If the student is withdrawing an amount of $Z every month, then a) Set up a recurrence relation for the amount in the … If the Fourier transform is f(x),f(w) obtain the Fourier transform of the following functions in terms of f Use the table below; could u please help. Which table of values models a quadratic relation? How do you know? 12 3 3 C 0.5 32 128 0.5 5.5 20.5 45.5 80.5 A H Question 10 (2 points) Which equations model an exponential rela… Question 5 (b) 5 marks A cylinder without a lid can be constructed from the shape below when a fold is made at the point where the rectangle and the circle meet. The edge that is 18.6cm long is folded… Apps S Side Launch . asslow S Sony Entertainme.. NBA Live Stream – NBA streams, NH.. 1 Texidium: Read & do Who is Even Monk Elon Monk .Teston QUAOOO2 215 C.Murphy Fall 2021 Khalil Elkarib & | … . Please record a macro for length, mass, volume, and pressure unit conversions. Submit a screenshot of your macro generated code in word file along with your excel file. Help wanted . The boxplot below shows salaries for CPAs and Actuaries in a town. CPA Actuary 30 40 50 60 70 80 90 100 110 Salary (thousands of $) Q If a person is making the first quartil… Please help with this advanced math question. Problem 1 In this MATH336 assignment problem, we consider the following problem: Given a positive integer k, is k a prime number? If not, can we find a no… In the video about applications of math identify the business, industry, or organization presented in the video and identify all the math tools being used. Please state the purpose and identify some b… Please show all work!. Let X, Y, Z be sets, f: X -> Y be a function, and g: Y – Z be a function. Prove or disprove the following: (a) If gof is injective, then g is injective. (b) If g of is surje… Need help with step by step solution. Find the negation of (~ p -> (~q -> r)) (d) Based on the answers to parts (b) and (c), is there an arm that will never be pulled by Thompson sampling on any round? Justify your answer either way. Hint: use Bayes' rule for posterior computat… Hello. I really need help with a homework assignment and the good news is that I found a document that can help me. Can you please unlock this document and share pictures of the document with me pleas… Solve the following problems using Excel solver. Show your solutions by attaching a screenshot of your Excel solver. A businesswoman can travel to city A, city B, or city C. It is 122 miles to city … On a field trip to the Ontario Science Centre, there are 2 teachers, 14 male students and 16 female students. Calculate: a) the number of possible groups of 5 students b) the number of choosing 1 g… In square ABCD(not shown), point E lies on side DC. If AB=16 and AE = 20, find BE.. 8. [0/1 Points] DETAILS PREVIOUS ANSWERS ALEXGEOM7 4.3.044. MY NOT In square ABCD (not shown), point E lies on side … On a balance scale, two spools and one thimble balance 8 buttons. Also, one spool balances one thimble and one button. How many buttons will balance one spool? Una persona deposita en una cuenta de ahorros a inicios de cada trimestre un importe constante de 4000 soles. ¿Qué monto acumulará en el plazo de dos años si percibe una TNA de 24% capitalizable … part 1. For this project assume that bobcats have a mean birth rate of 0.4 with a standard deviation of 0.1 and a mean survival rate of 0.68 with a standard deviation of 0.07. In this model, assume th… Need to be precise and written clearly. 3) (6 points) Plot 5.4545 on the number lines below. All number lines should reflect the base-ten structure. Label all long tick marks the middle short tick mar… Double integral in polar coordinates. valuate SIR (x y2 + 1) dA where R is the region inside the circle x2+ y2 = 4 7) (6 points) If A represents the whole, what are the values of B, C, and D? Explain your reasoning. B A D C Please answer the four multiple choice questions. Give a small explanation for each answer so I know how its done. Thanks!. Question 5 Let 1:. denote some branch of the log function. Assume that h(zo)… help me to find this. Solve for Z: (Round to the nearest hundredth) 6 ft. 3in. 5 ft. 3.75in 7 ft. lin Z Consider the following paired observations: XI =1 Y1= 2 X2 = 2 Yz= 3 X3 = 3 Y1= 5 X1 =6 Y4=7 (x, -5)2 – (1-5)2 +(2-5)2+(3-5)3-29 (a) [(Y, + 2) – (3+2) + (5+2) -12 (b) EXYI = (1 x 2) +(2×3) +(3 x 5… I tired to determine if this question either linear, quadratic, or exponential so far I got nothing. . 3. The following table shows the concentration of medication in a patient's blood after an inje… After two consecutive years of 4% losses, what rate of return in the third year will produce a cumulative gain of 5%? Note: Please make sure your final answer(s) are in percentage form and are accurat… don't know. Excellent! Solve. 1,581 x 2,970 ~ 2,000 x 3,000 6 millions 5 6 8 9 0 4 Please explain. Discuss flow your drawnl wife estimated inmodulus compares with the polycrystalline aver- ages. Comment on the effect of texture on modulus in a polycrystalline material. MATH:3800/CS:3700: Elementary Numerical Analysis. Homework 9. Due 11/05/2021. Justify your answers and show your work. 1. For the matrix 2 1 E IR 3×3 calculate (by hand) (a) 11/Allloo; (b) 11/A-11/00;… please do this for me and tell me what you did and please please do it right tanks.. 3. (5 marks) Find A- for A = 2 .3 " by using Gauss-Jordan method. No marks will be given to other methods. Fin… Problem 5 (8 Points) Verify that y1 = 1 is one of the two solutions of xy" + 3y' = 0, and then find y2, and the general solution. Problem 3. Bayes Optimal us. Logistic Regression. Recall that in classification, we assume that each data point (1;, y;) is drawn i.i.d. from a joint distribution P, i.e. P(X = 1, Y = y) = P(Y = y)P(X… Una compañía de artículos electrónicos fabrica Pantallas de televisión (TV), sistemas de sonido(SS)y cámaras de vigilancia(CV),en dos plantas A y B. La matriz X representa la producción de las … Hello Tutors, Please Explain All The Steps With Clear Handwriting & Don't copy. I'm just Beginner. Thanks in advance Expand the given function in Cosine or Sine Series. fox) = cosx -IT 2 2 KINDLY SOLVE IT IN A PAPER TO MAKE IT EASIER. THANK YOU. I. Show all necessary solutions and must be submitted either typewritten (doc/pdf file) or handwritten (jpeg/png photo or scanned pdf file… Step 1 First, to find areas and probabilities for a random variable x that follows a normal distribution with mean u = 27 and standard deviation o = 3.3 we must convert the x value to a z value. Use t… Hello, I really need your help right now and I need you to provide correct answer and solution for this one as fast as you can. Thank you! (1-5) This has time limit so answer as fast as you can. Not y… The following proof is still is yet to be proven. Please explain in depth how you would go about proving the following statement. *I will upvote . Conjecture. For any integer n 2 2, the quantity can… Consider the data set {5, -3, 8, 4, 6, 1, 6, -2, -6} (a) find the first quartile (b) find the third quartile Prove the Glivenko-Cantelli theorem (Empirical distribution function) In solving for Vectors solution paper has the following: a.) DIAGRAM b.) FORMULA c.) COMPLETE SOLUTION d. ANSWER In solving for Kinematic Equations solution paper has the following: a.) GIVEN b.) R… Determine the truth of the quantified statement (X < <X) KE XA The domain of discourse is the set of positive real numbers. O True O False. Match logically equivalent expressions. p + q [Choose… 4) (4 points) Why do we need to line up the decimals when adding two numbers with decimals using the standard algorithm? Tech Math 4.2 HW 1. Complete the following table. B C D (2) 5, in. 14 in. 23 in. (b) 23.4 cm 20.8 cm 15.6 cm 9 fi 6 ft C (C) 12 ft Similar triangles (d) 4.5 m 3.6 m 2.4 m 2. Architecture The arc… solve this. 1 Answer the following questions about S-boxes in DES: a. Show the result of passing 110111 through S-box 3. b. Show the result of passing 001100 through S-box 4. C. Show the result of pas… polynomial function. C 3IF P (X) IS A POLYNOMIAL WITH X= 1 AS A ROOT, AND P(X)20 FOR KE (- 0 4] THEN EXPLAIN THE GRAPHICAL 5 SIGNFICANCE Write each set in the indicated form. If you need to use "…" to indicate a pattern, make sure to list at least the first four elements of the set. (a) Roster form: (14, 15, 16, 17) O . . …. Q13. Problem 13. (8 points) Determine which of the following transformations TCIR – R are linear transformations: No v 1. T(x) = (5×1 – 4×3, 21 + 3, 2×2) Yes v 2. T(x) = (2×1, 8×2, – 3×3) No 3. T(x) =… Prove that for all x E R, (2x – 9) > 3 if and only if |12 – 3x > x. Genuinely confused. 11. Determine if the function is continuous, discrete, or neither and explain your choice. Continuous Discrete Neither [Cirde one] Explanation: Continuous Discrete Neither (Circle … Entertainment $175.00 $1,301.00 5.50% a. William reduced his entertainment expense by $50.00 so he could buy additional food. What is his new percent of budget for food? b. What is his new percent … 22.2. Experiment with solving 60 x 60 systems of equations An: = b by Gaussian elimination with partial pivoting, with A having the form (22.4). Do you observe that the results are useless because of … Obtain the curves on which the functional 1 (((y')-2vy' + xy) dx with y (0) =0, y(1) =0 is 0 extremum. business mathematics. Question 14 (1 point) A proper fraction has: Numerator > Denominator Denominator < Numerator The graph below represents the relationship between the number of hours worked and the weekly salary an employee earns Calculate both rates of pay. help!!!! Currently struggling with a lecture problem, we are currently using R programming, would love if you explained thoroughly. . Problem 1: This problem is about the multinomial distribution. The m… Given an activity's optimistic, most likely, and pessimistic time estimates of 8, 10, and 12 days respectively, compute the PERT expected activity time and the corresponding variance for this activity… Ex. 2 . There are 6 pearls on a circle, which are equidistant. The color of each pearl can be red, yellow, or blue. Circles are allowed to be both rotated in the 2- dimentional plane and turned in the… Consider the case below and apply the different decision criteria in choosing an alternative: The New Era Toy Company, Inc. manufactures children's wooden toys. The company believes that the curr… Please help me to solve these as soon as possible. thanks alot!. Let f (x, x) = x text-x+x,+3 and x)=(0,0). (a) Minimize the function f(x,, x2) using the following unconstrained optimization methods … Detailed explanation please, thank you.. Let p = (0-h)-f(0-h) 2h is approximation of f'(0) for f (x) = x5/3. Let the error |4 – f'(0) | is given the table below. Find B theoretically as well as numeri… What is 13.08 in words? * 1 point thirteen point eight thirteen and eight thirteen and eight hundredths thirteen and eight tenths Write 2/100 in fraction from. * 1 point 0.2 0.02 0.20 20.0 What is the… Answer the following word problems using the GRESA format for each number. Sample Problem: A car from rest (0 m/s) speeds up to 30 m/s for 20 seconds. What is the car's acceleration? Given: ?… Let X, Y be random variables. We define the covariance of X, Y to be Cov (X, Y) = E([X – E(X)][Y – E(Y)]). (a) Prove that Cov (X, Y) = E(XY) – E(X) E(Y). (b) Prove that Cov(X, Y) = 0 when X,… 27 0/34 [-8] The calculation for the data table is incorrect. [-9] The data table values for Programs are incorrect. [-8] The data table values for Food are incorrect. [-9] The data table values for M… Which of the following shaded regions in the Venn Diagram represents A n B grade 9 po and triangle inequality theorem. that from shortest to longest if the I Find the value ofx and list the sides of we in or | sales have the indicated measures. ' -5x) , and 9-11,m/_A=(9x -… The open loop transfer function of a unity feedback system is given as K G(S) = $3(S+ 852) + 325(S + 80) + 100 Answer the following- i) Write down the characteristic equation of the given system ii) C… Calculate using the appropriate unit of measurement. Mr. Bennette has 8 gigabyte flash drive. He copied the following files in his flash drive with the corresponding amount of capacity. Practical rese… Suppose the life at a particular brand of calculator battery is approximately normally distributed with a mean at 1'5 hours and a standard deviation of 10 hours. What is the probability that 15 random… What amount 9 months from now is equivalent to $400 due today and $800 due in 2 years if money can earn 6% compounded quarterly? As if the zombie apocalypse wasn't enough, humans (H) are now facing off against both zombies (Z) and werewolves (W). Write a system of differential equations to describe this situation, based on the … A zoo is designing a giant bird cage consisting of a cylinder of radius r feet and height h feet with a hemisphere on top (no bottom). The material for the hemisphere costs 20 per square foot and the … Last year, Mrs. Patel's property was assessed at a value of $180,000 and had to pay $3,209 in property taxes. This year, the same property was assessed at $155,000. What will be the current property t… Consider the matrix _ 2 3 A _[0 4 and its transpose. (a) Express A as the sum of a symmetric and an antisymmetric matrix. (5 points) (b) Calculate the eigenvalues and eigenvectors of A and AT. (15 po… Consider a portfolio consisting of two assets with returns r 1? and r 2? , with portfolio weights of ? 1 and ? 2 . The return of the portfolio is given by r pt = ? 1 r 1? + ? 2 r … Please help with this advanced math question. In this MATH336 assignment problem, recall the pesky assumption in the KKT Theorem that says the given convex NLP must have a Slater point? The goal of th… Help me answer these questions please. 2 4:3 – i 7133′ —20:r:5—log |z|)3e em 79:2 1′ (— 2mmfi+m 763:2 —20.1:5—log |a:|+4 (in the formula log. like In. denotes the natural logarithm). Wri… Use the iteration of the fixed point to locate the root of f(x) = 2 sin(√ x) − x. Start on x0 = 5 and iterate until ea ≤ 0.06 % 12:03 PM Thu Oct 21 " webassign.net 6. [-/1 Points] DETAILS TANAPCALCBR10 4.1.038.NVA MY NOTES ASK YOUR TEACHER PRACTICE ANOTHER You are given the graph of a function f. Determine the relative ma… @ 5. [-/3 Points] DETAILS HARMATHAP12 6.5.020. MY NOTES ASK YOUR TEACHER John Fare purchased $18,000 worth of equipment by … R programming Create the program satisfying the following conditions: The program must return the graph of 3 equations: of the first, second and of the third degree. The program must request from us… Suppose that you and your friend both need to borrow the same amount of money. . You borrow money from Bank A, which offers loans at an annual interest rate of 3.2% with continuous compounding. . Your… Create a set of data, of at least seven points, that are part of a function that can be represented as a polynomial function. and set a task of finding a specific polynomial equation to represent a… Can you assist with this?. A management consulting company charges $325.00 per hour for their consulting services. Their fixed costs are $810,000.00 per annum and variable costs are $30.00 per hour… 1.Give an interpretation that satisfies the following closed formula and one interpretation that falsifies it. ∀x∃yp(x, y) →∃x∀yp(x, y) 2.Give an interpretation that satisfies the followi… Which is the best investment if the money in each case is invested for three years? a. $5000 at 8%la, compounded monthly b. $5000 at 8.2%la, compounded annually c. 55000 at 8.1%la, compounded semi… 750ml = 25.4 oz., 1 liter = 33.8 oz. 1.5 liters = 50.7 oz. Margarita SF%: 1.2% … [-/2 Points] DETAILS BBUNDERSTAT12 3.R.006. Professor Cramer determines a final grade based on attendance, two papers, three major tests, and a final exam. Each of these activities has a total of 100 … If I generate 200 N of force at a distance of 0.7 m from the axis of rotation, how much torque did I generate? A formula for determining the price per portion for any prepared food is expressed by dividing the price at purchase by the portion divider. The portion divider is determined by multiplying the portio… Draw a graph that models the connecting relationships in the floor plan. Use Choose the correct answer below vertices to represent the rooms and the outside, and edges to represent the connecting door… The ICARE Company has three plants located throughout a state with production capacity 50, 75 and 25 gallons. Each day the firm must furnish its four retail shops RI, R2 , R3 , & R4 with at lea… The bar has a counterclockwise angular velocity of 5 radfs and a clockwise angular acceleration of 20 radiis2 about the axis passing through the pin perpendicular to the plane of the frame. A _l_ 0.4 … please show how to solve. tqvm. A signal function is given as follows: 9 , 051<3 f(1) = 3t , 351<5 125 i. Express the function in terms of unit step function. (1 mark) ii. Find the Laplace trans… Larren Buffett is concerned after receiving her weekly paycheck. She believes that her deductions for Social Security, Medicare, and Federal Income Tax withholding (FIT) may be incorrect. Larren is pa… Hi, Please help with the questions below. from 1 through 12 . Consider a projectile of mass 20kg launched from a height of 0.2 km at an initial angle 0 = = w.n.t. the positive x axis (See sketch bel… business mathematics. "Reducing to Lower Terms' is a terminology used when Equivalent fractions with lower numerator term is obtained by same numbers or set of numbers True False by next year,80 students will leave the school for secondary high school and 110 new students will come. what will be the number of teachers, if the ratio of teachers to students is unchanged? Also how do I calculate the Z score. Question 1, 10.1.41-T F HW Score: 0%, 0 of 25 points Save Part 1 of 4 O Points: 0 of 6 Voter turnout in a country has dropped from 75% in the 1960s to 60% in the m… Find the shortest route from v1 to v8.. ind the shortest route from vi to v8. V 3 2 6 4 V7 6 V2 2 V1 8 2 4 2 N 9 VA V 6 Question 1 Choose one of the following statements; rewrite as a conditional using If/then. Then write the converse, inverse, and contrapositive of your conditional. All children must go to school. All… answer to b please. Two races that a student runs every year are the 2—mile race in his hometown and the 1499—meter race in his college town. Complete parts (a) through (d) below. | Student | Othe… please i need help. A. 10 B. 25 JO D. 0 15. Mr. X always gets a P 30 off for every crate of mangoes from his suki. If each crate of mangoes costs P 400, which equation should Mr. X use to determine th… Calculate the original purchase price of the furnitu + value of m culationed (5 pointe) Plz help me out. Word Problem Question 3: (You must upload an image of your FULL solution to the question in eConestoga: Course Tools, Assignments, [Final Exam Submission]) Global Waste Management Sol… How to prove the formula. f .dy = Infu +futake Proof . Need Help? Read It Watch It 4. [-/0.65 Points] DETAILS LARMPMT1 9.1.014. 0/100 Submissions Used Place the correct symbol (<, =, or >) between the two rational numbers. (a) ? v 16 6 (b) -21… please help. 1.a) Write x' – 6x + 8 in the form a(x + h) + k where a, h and k are constants b) Hence or otherwise solve the equation x2 – 6x + 8 =Q QUESTION 6 (a) Given the power series f(1) =1-2-13 and the Chebyshev polynomials To = 1 1 = 1 T2 = 2×2- 1 T3(1) = 413 + 3x, (1) Economize the power series f(r) twice (1) Find the Chebyshev series for … One difference between natural language and mathematical language is the degree of precision necessary in communication. Slight errors in the use of natural language do not totally destroy the eff… solve the math problems please show work on paper. Do Build Truth, tables for (P M Q) NR (PVR A (QUR) 2 Same Thing for P= Q, TP27Q FK Vyzo, xzy? Satisfiable? How RbAnd tyAD BRAD , xDy If a2 is pold… A vertical aerial AB 12.65m high stands on ground which is inclined 18o 32′ 15″ to the horizontal. A stay connects the top of the aerial A to a point C on the ground 20.0 m uphill from B, the foot of … The game is played on a square court divided into four smaller squares that meet at the center. If a 3 line is drawn diagonally from one 11 ft corner to another corner, then a right 2 triangle QTS is … Abstract math proof problem, Notations reference: Prove the following proposition:. The next six questions are about subsequences, upper limits, and lower limits. Let (In) , be a sequence in R. For an… please need the answer. O ON Find the eigenvalues for the matrix A = 1.A restaurant features 7 platters total. A daily record of customers shows that 23 customers per day ordered the Fish Platter, while 66 customers in total ordered one of the other platters. Wha… Please kindly show workings clearly. Section D: Application 7. Determine z. (5 marks) Y 2 his X X 83 W 14.0 ft. 52 46 9.9 ft. Z ~ 1 hour 0/2 QUESTION 12 – 1 POINT A local business held a weight loss competition. What is the average amount of weight lost by the top six weight loss participants? 53 46 45 44 38 32 Provide your an… (16 points) If S, I, and O are finite sets, with |S| = 5, I) = 7, and |0| = 2; determine: (a) IS x Il (b) The number of functions v : S x I – S. (c) The number of functions w : S x I – O. (d) For … An employee is paid Php 680.50 per day. Compute his gross pay for the week by entering the total days worked. How do you know which formula to use? . Nancy wants to create a budget to improve her spending habits. She earns $3,001] per month and estimates her rent is twice as much as her food costs. The amou… Determine two different Hamilton circuits in the following graph. G Select all that apply. A. A, C, H, I, G, B, F, E, D, A B. A, C, D, H, I, F, G, B, A C. G, F, B, E, A, D, C, H, I, G D. B, G, F, E, D… Un transformador monofásico de 6KV/230V de 25KVA tiene unas pérdidas de Pcu=300W y Pcc=1600W. ¿Cuál es la relación de transformación? sir i am stuck for this question. 2 4. (4 MARKS) Let p(x) = 2×2 – 3x + 4 and A = . Find p(A). 0 3 9 6 0 2 0 -2 (a) p(A) = (b) p(A) = (c) p(A) = 0 13 9 13 9 13 9 2 (d) p(A) = (e) None of these 0 13 … MHF401 Name: Date: 10 2x-5 2x+5 2. Solve X – 1 x- 1 x+1 Find the derivative of the function by using the quotient rule. y=. 7 x + 5 x 2 + 7 … .. y' = 0. The energy E (in J) dissipated by a certain resistor after t seconds is given by E = In (t+ 1) – 0.5t… I am a hard-working person. I study in NEMCO. Therefore, NEMCO students are hard-working. (20) (a) (6pts) Find a recurrence relation for the number of sequences of Is, 6s and 9s whose terms sum to n. (b) (7pts) Repeat this problem with the added condition that no 6 can be followed by a … ACCT 326 Writing Assignment #4 When firms become prime targets for hackers, the attack themselves become front-page news. Financial and personal data have been compromised despite firms having measure… Sir i am stuck for this question . I have a progression that i need help with. it is a simple problem where you add the amount per bet on loss and decrease a little when win. I have a couple small is… plz do it fast. Question 4 [3 points] Census data from a certain country has shown that the number of citizens who have assets in excess of $1,000,000 is 7,016, representing 3.35% of number. Exercise 1 (5 + 10 + 5 pta). Let X be a continuous random variable with density f(I) = JAe ke, when A > 0,1 20, elsewhere. (a) Compute P(2 < X < 3) for A =3. (b) Compute P(X > t), P(X >… log

amount of sales he makes. One month Ryan received a $1735 paycheck. Find the amount of his... Please help with the following.. Question 5 10 pts Give a recursive definition for positive integers that are multiples of 5. . S(1) = . S(n) = for n≥1. Question 6 4 pts Give a recursive definition of... Teniendo en cuenta que p= llueve y q= hace sol, relacione cada proposición con su formalización: Sir i am stuck for this question plz help... Equations (6.b) can be solved most... Please provide complete explanation with steps. Exercise 4. Find (if possible) AB, ACB and ABC. 1 2 1 2 0 9 A = B = 4 2 0 C = NO 1 F the simplify of the last step: (Fp → Fi) ∧ Fi + FiFi Gotto 49: 5+5- FiF- tan B2 40T 1 Ft Algaite Only a, b, and c please Here is 6 a, b, in the text to a *7. Equations (6a,b) can be studied by phase-plane methods. Show that c and x1 millions have the form kn Kc = 0 when Xt = abc Kc x1 = 0 we... Sir i am stuck for this question . Which of the following is not a property of the canonical inner product on R³? Consider a or for every X, y c X*, y, z = ... > Simplifies that each of the a1 and a... provide evidence from peer reviewed article that math 180 improve students mathematics performance Los expertos estiman que el 25 % del total de accidentes en ... ¿Qué porcentaje del total de los accidentes ...? Starting on one side of the pond, she walks 410 metres in a straight line to a rock sitting some distance in front of the pond. From here she turn... please solve this. 3 Jane was due to make loan payments of $1,200 six months ago, $1,500 one month ago, and $700 in two months. Instead, she has agreed to make a single payment today. If money is worth ... 1) Suppose you have a complete, weighted graph with 6 vertices. A-How many Hamilton Circuits are there in this graph? B-How many Hamilton Circuits are there through this graph if you start at vertex... Please provide Handwritten answer. Mr. Harrington had a new heating system installed in his office. The balance owing to the heating company is $26,000 which includes equipment and installation fees. The heating company has agreed to l... Show that y(t) = cos -1L4 cot 2) + B is the general solution to the Euler-Lagrange equation for the variational problem associated to the functional J[y] = ∫ (y'²/sin θ) dθ'. Hint: Use the two substi... Solve the following problem.. Find a simple closed formula for f(n, i) ... 3)... for all n ≥ 3 ... Using the ... binary number that would be represented by 1001 0101 when it is interpreted in each of the following 8 bit representations Unsigned Binary Number Whatever... Please help solve the following questions. A Question 18 10 pts For the set S = { } (the books in the library} and the binary relation says y < ... PROBLEM B: In this problem we are going to prove that the perceptron learning algorithm (PLA) will eventually converge to a linear separator for a separable data set. We will analyze the algorithm as... PSs kindly show working clearly. 1. Determine the measure of ... 1.2 Suppose the binary repetition code of length 5 is used for a binary symmetric channel which has symbol error probability p. Show that the word error probability of the code is 103... Matrices. 13. At a certain university, three bookstores — the University Bookstore, the Campus Bookstore and the Book Mart — currently serve the university community. From a survey conducted at th... Let A = {x, y} E {0, 1}, S ... the graph of y = x ... is ... symmetric with ... as ... Solve the... Find a simple closed ... the graph. pa help po plss. Ms. Lovely purchased goods amounting to P12,000.00. She used two credit cards to pay ... Credit card P charges 3% interest rate per annum while credit card Q charges 3%... Help! Read Your Application Rating this Activities/Lesson IT surely give you feedback/Thumbsup... 22. Which of the following does not belong to the group? ... What is the ... 3 2 1 3 ... Task * 1 point If the factor of ... Find the ... Question 1 ... Find the value of x ... Solve ... Task #1 ... 3) Find a computer password consists of four letters of the English language alphabet, followed by 5 or 6 digits. Find the (a) The total number of passwords that can be created. (b) Numbe... answer this using the long method. c. 3. Test the exactness of the following equation and solve for its general solution: each a. (t3 + ts2 - s) dt + (s3 + t2s - t)ds = 0 b. (cos 2y - 3x2y2) dx + (... Please help me solve this problem, will be highly appreciated... Q.2 (a) Using revised simplex method with matrix manipulation only, write the steps to check that a particular solution is optimal or no... Find the radius of gyration of a plate covering the region bounded by y = 5x3, x = 3, and the x-axis with respect to the x-axis. Excel goes to the archery range five days a week. He must pay $1.00 for every ten arrows that he shoots. If he spent $15.00 this week on arrows what is the average number of arrows... Calculate the two equal payments that would settle... please... Q.3 ... years if ... Describe the transformations that ... $4 ... 2 X 12 3 45 Coordinates Translation vector We want to implement and test a function for integrating numerically by use of a composite trapezoidal rule. Recall that the trapezoidal rule approximates an integral by the following weighted sum: ... please help I am stuck. 7 In Fig. 6.14, DOBC is a semicircle, centre O and radius 6 cm. AB is a straight line perpendicular to DOB where AB is 2 cm. Calculate (a) the length of AC, (b) ZCOA in radians and (c) the per... I think I did this right. I'm just confused with what the answer is... mathxl.com/Student/PlayerHomework.aspx?homeworkId=601059566&questionId=5&flushed=false&cld=6091006&back=https://www.mathxl.com/Student/DoAssignments.aspx?... Solve the problem ... MTH10(Fall 2021) Pr... BOOKShelf Settings PDF Page 437 of The patient drank 180 ml of coffee, 6 ounces of orange juice, and 1 80 ml water. What is the patient's intake? 2. For lunch, the patient ate 3 oz of ice cream and dr... When Ax - x + 3x + 6 is divided by x - 2, the remainder is 1, find the values of a and 2, the remainder is 59. When it is divided by x + 1, the remainder is ... A/4 (20 pts) Draw every simple graph with five vertices and four edges (isolated vertices are allowed) up to isomorphism (that is, draw ... of ... Find ... CO Los siguientes datos corresponden a una fábrica de calzados. Costos fijos $85.400 Volumen de ventas y producción 320 unidades. Costo de producción por unidad $820 Precio de venta por ud. $2300 a) Determina l... Please help with the following. For which value of ... Question 19 6 pts Complete the induction. Give the steps to go from the hypothesis to the goal. Last, state the conclusion. Edit View Insert Format Tools Ta... Sole this equation. 36, 000 - 7500 | 7* + | 1+0 - 5426 % . |25 X | (1ts. 5426% O . 54 / 26 1 . Problem 2. (8 points) Remaining time: 83:14 Let W be the subspace spanned by Find an orthonormal basis for W. ... 2) Find the ... Probability of ... and ... equations ... 2. A ... answer ... Problem 3. (12 points)... The f in (x) is the one in the problem statement. It is not the one in part (b). A continuous function f (x,1) is said to have a zero of multiplicity m (assume m as an integer) at a: = 0 if there is... please help this question involving linear algebra with clear explanation and also clear steps, thank you so much. 2. Let a, = 9, anti = an + 2an for n = 1, 2, 3 , . . . 3 prove al , a2, a3 , ... converges and find ... A bowl on a potter's wheel is initially rotating at constant angular velocity of 1.6 rev/s. The potter then places her hands on the bowl, exerting a friction force of 1.5 N on the bowl. The moment of ... applied finite mathematics 2011 book. students. Q1. A car rental company offers two plans. Plan I charges $10 a day and 10 cents a mile, while Plan II charges 14 cents a mile, but no flat fee. If you ... Please answer how to formulate the LP. 7 The company C & O operates an oil pipeline pumping oil from Alberta to various states in the Northwestern USA. F... Ray Barbee, a radio announcer, is paid $1,410 monthly and ... please help! ... Find the LCR for a restaurant is 0.47 and its weekly sales are $1... Trying to eliminate both variables to find the lowest common value for A and B ! Thank you!. questions: A (4a - 7y = 2 B (3x - 5 y = -6) lue, the value of A must be , and the value of B must be, be the ... Al Spencer's room is 5.5 meters long and 5 meters wide. What is the length of Al Spencer's room in decimeters? Naomi Osaka played in tennis matches for a total of 8 hours and 59 minutes to win the 2021 Australian Open women's singles title. Although the winner's purse was ... Show Inc. purchases laptops for resale at a cost of $390.00 each. Operating expenses are expected to be 35% of the regular selling price and the profit is to be 18% of the regular selling price a... solve the mesa. Q No: 1. Tick ( ) the correct answers. Sr. Question A B C D 1 If f(x) = √x - 4 - 3x, then f (8) = (a) -21 -24 ... find the ... (2 points) Use ... In the table for each rate function ... Even PPO Both A & B None of the ... 63% ... Course Home Do Homework ... Section 1.2 Homework: Analytic Representations/Equations mathxl.com/Student/PlayerHomework.aspx?homeworkId=608070222&questionId=1&flushed=true&cld=66666... Please help ... Find the area ... 10 years if ... (10 points) Draw the graph of a beta distribution with at least four different choices of a and fl, with the restriction that the mean of the distribution must be 3/4. For each of them, find the ... why the slip direction is [0 1 -1] but not [1 1 0]|textbook said that the ... Question 9 ... magnitude of ... Find the extreme value of the following function and check whether the extreme value is a maximum or a minimum by Hessian determinant test. 2. Z = x2X, + x... X ... Follow ... the ... derivative of f(x) for ... Apply ... Evaluate ... Find the general ... Taylor Series expansion at 4th order error. 7 for ... ASIA ... BMMU 1062 TUTORIAL 01 SEMESTER 1 2021-2022 PART 1 1. Find the resultant of the following two displacements: 2 m at 40 and 4 m at 120. Angles taken relative to + x-axis. 2. Using the parallelogram met... mathematics binomial. 5. (a) Simplify the following expressions in standard form. H (i) (3+61)1+ (2(-3i*)+1+i) ... in polar form and hence find ... Find ... Use the information above as well as the information in the table below to answer the questions that follow. Income Amount Deductions Amount Basic Salary ... R13 850 Income Tax ... State whether the following claim is true or false: Claim: If a graph G has a Hamilton circuit, then it also has an Euler cycle. If true, then briefly explain why. If false, then give a counterexample... A car traveling at 20 km/h accelerates at 4 m/s^2 for 7 seconds. What is its final velocity? mathematics economic and business. 2. Given the national income model Y = E; E = C + I where C = 280 + 0.6Y, I= 80: (a) Write down the value of the endogenous and exogenous ... A lady gives a joke on one of their friends, but they can't decide which one Alice (A), Betty (B), or Connie (C) (ABC) 6. (C/BA) 5; (BCA) 4. Use this information to... Please provide Handwritten answer. Advanced Math Show how the Fibonacci numbers ... an... Is... For the ... Is ... Consider ordered pairs for the linear equation. X y = - 4X XO (Type integers or simplified fractions.) Please help... QUESTION 1 Solve the problem. Find the volume of the solid of revolution with the region between y = V4 + x2 and the x-axis from X - 2 to = 2 ... please ... 36, 000 - 7500 | 7* + | 1+0 . 5426%. |25 X | (ts. 5426% . O . 54 26 1 . how to calculate all calculation. Table 1; The details of assignment PO LONG HAULAGE AND TRUCKING SERVICES SDN BHD No The Details Remarks 1 Load two ways full load containers with the order of tonnage, from... 5) Accomplish by penalizing in the objective the violation in ... Two vectors A ... Question ... if... Given ... Please help ... What is the ... (3) Let 3 ... and ... the ... In a certain ... (c) ... Find all distinct ... 2. Two ... Let f be ... Given ... Find ... Problem 4 (8 points) Find the general solution of ... (x2 + y3) ... the radius of ... Which ... 2. Determine whether the following statements are true or false. If the proposition is a compound proposition, identify the simple components and the logical connectives used. Define a random ... Problem 1 In this MATH336 assignment problem, suppose (P) is a maximization LP, and has a feasible solution with objective value 7. Let (D) be the dual ... Compute the interest on a 12-year loan for $13,621 of the simple interest rate is ... with continuous compounding. The growth of a bacteria is shown below. Find t-1 such that ... Let f(x) ... is ... Find the ... Let ... For ... of ... Question 1 Each of the following ... Let f ... Let ... in the ... In how many ... 1 A ... Hedging entrepreneur decides to sell drinks ... Suppose T ∈ L(V). Then T and T* have the same singular values. A linear, real-valued system x' = x has the associated flow φ(t) = e^t*y, y ∈ R in continuous time. Describe the ... Find the ... A group of retailers ... It is ... from a wholesaler if the price is $500 and 107 if the price is $450. The wholesaler is willing to supply 44 if the price is $435 and 124 if the price is $52... Each day, you deposit $2.97 into a bank account whose annual rate is 2.1% with daily compounding. How much interest will you have earned after 8 years? Round your answer to the nearest dollar. Please help thank you! :) 5 1 point Use the system of equations below to answer the following questions: A ... Solve the ... In the ... Q ... (a) If ... Find the ... For the statement. — (9 - p) Complete the truth table p q ~pA~p(? T T T T F F F 6) (6 points) Use the definition of multiplication to explain why you can solve the following problem by multiplying. How many three-letter codes can be made using only the letters A, B, C, and D? (Do... find the Fourier series of the following. 2. (Problem 8.1) Determine the real-valued Fourier series of the triangular function. Use... Sir I am ... a quadratic function ... 2. 2. A quadratic function has roots (in terms of ... Find ... Question 1 (d) Let a = 3 ... a - x < 0, on the domain [-1, 1] using Lagrange polynomials with Chebyshev points. You can use the following MATLAB function lagrange_interpolant to ... Part. D: Communication 1. Describe the differences and similarities of a quadratic function and its reciprocal (4 marks) Sir i am stuck for this question. 1. Study the edge of the string (an)n21 with the general term 1+1+5+... +(2n-1) an = 1+4+7+... +(3n-2) 1 (2+2)(+...+2(n+ 1) b) Bn = 12+22 + ... + 122 X 2. Study the co... Use the expanded algorithm to find each sum. 24 + 99 | b) 579 + 691 (c) 582 + 89 (d) 2558 + 654 (e) 96 + 78 (f) 227 + 899 (g) 358 + 284 + 84 Type here to search O i A* 25 5 the matrix of the direct ... the matrix M ... where f(x) ... one of ... Describe the ball B(p) of center p and radius ε. To get E X and r > 0. Describe the ball B(p) of ... show that the subset V . Assuming there are 1000 observations in your sample, what are the test statistic and critical value of a two-sided hypothesis test of whether the true value of ... Let T(V, E) be a graph and for each v E V, we ... Prove that ... Answer the ... points with ... (b) Deduce t... Solve this minimization problem by the graphical ... Use the simplex ... please show ... A small ... Refinery 1 costs $25,000 per day to operate, and it can ... A celsius (centigrade) temperature C can be converted to an equivalent fahrenheit temperature F according to the formula... F=(9/5) C + 32 Now the equivalent temperature in Fahrenheit. Question 1-1 docx (Protected View) - Microsoft Word X File Home Insert Page Layout References Mailings Review View I Protected View This file originated from an Internet location and might be unsafe. ... Test 3 Score: 10.22/43 10/43 answered Question 10 ≡ Find the area of the shaded region under the standard normal distribution to the right of the given z-score. Round your answer to four decimal pl... From the following facts, Molly Rae has requested you to calculate the average daily balance. The customer believes the average daily balance should be $877.67. Respond to the customer's concern. 28-d... data structures. Given a 5 element stack S (from top to bottom: 30, 50, 70, 80, 90), and an empty queue Q, remove the elements one-by-one from stack S and insert them into queue Q, then remove them on... Given the system Ax = b, with A = Roxm and m > n. Why can't we just invert the matrix A to obtain the solution x? A pharmaceutical company is testing their new brand of Vitamins: A,B, and C. Each type of vitamin has been labeled with a number (1,2,3) for anonymous testing so that three versions of each vitami... Consider a 3rd order B-spline curve p(t) with control vertices b0 = (0, 0), b1 = (1, 1), b2 = (2, 1), b3 = (3, 0), b4 = (4, 1) and basis functions as shown below. (a) State the knot vec... responds to the 5.6 Consider the function f(x) = x² + 2x + 3 ... Is ... show that ... please ... to express the transforms in terms of ... Question 1: Consider the constrained optimization problem: min = (x, Qx) + (c, x) subject to Ax ≥ b. Here Q is a symmetric positive definite matrix of dimension n x n, A is an m x n matrix, c ER"... Sir, it's a humble request please step by step and double-check if I put in some wrong point while you consider wrong. (i) point) Use Lagrange multipliers to find th... how do I do this. On the Pmt sheet, create a formula in C5 to calculate the bi-weekly loan payment based on the cells C2, C3, and C4. Make sure to add a minus sign after the equal sign so that the res... Let f: R → R be the associate Laplacian matrix and 1 ≤ λ1 ≤ 2 ≤ ... ≤ λn, its eigenvalues. Let C be a graph constructed from G by simply add... Dante must find the next lottery combination. The combination consists of 6 numbers ranging from 1 to 40. The previous winning combination was 11-21-22-30-32-34 . As a means of finding the next winni... Consider the following theorem: Theorem 7.8.1 (Gordon, 1873). Let e1, . . . , am 6 Rn. Then either (I) There exists d ∈ Rn such that ad... (II) There exist ... or (II) There exist nonnegative\(A ... Programming: An Algebraic Approach (dont use excel for explanation I just need help to create an equation and everything else I will calculate on my own). 11. From three different feeds [M1, M2,... Show that the solutions to the problem (P) is convex and bounded. My E F G H Is We = 5 2 4 5 Everywhere you can E, F, G, H you have to plug in the following numbers 5 , 2 , 4 , 5 . MHF4U 1 - ASSIGNMENT FIVE Date Page 1 Of [5 DATE: FIRST NAME: LAST NAME: as... At a school play a total of 90 adult and student tickets were sold. Each adult ticket was $8 and each student ticket was $5 and the show made $546. How many adult tickets were sold? Hey, please help me to solve this problem with steps. Thanks in advance. 3. (a) Find the integral exactly (using calculus and showing. Summarize the differences between deductive and inductive arguments. Give an example of Which of the following are properties of inductive arguments? Select all that apply. (c) Use a calculator to verify that \x = 61, \x2 = 997. y = 632, \y = 89,384 and \xy = 9,204. Computer. (Round your answer to four decimal places.) As x increases from 3 to 22 months, does th... Suppose the price of an item increased by 11% a total of 16 times. By what percent did the price increase in total? You want to know what percent profit your business is making. The average revenue (money) received each month is about $2,787. The average expenses for the business each month are $1,750. What is the ... Reattempt last question below, or select another question Solve the following for the unknown in the compound interest: ... Given ... fit the ... Answer the ... following question using Excel Statistics... it ... following ... permutations, or combinations. Be sure to explain why this counting tech... QUIZ. QUIZ... Question / This Quiz: 10 pts possible Determine the truth value of the statement (p A ~q) V ~ using the following conditions a) p is false, q is false, and r is true. b) p is true, q is... Question 1 [6 points] SunBlush Technologies has decided to purchase a new computer system... Calculate the sum of the following series with one step 1 + x + 2x^2 + ... help me ... Your ... in the ... nuclear ... the ... Find ... Suppose ... 1 + n ... Please ... In your own understanding, explain the difference among content standards, performance standards, and learning competencies. What is the importance of each? So please explain ... Which expression is equivalent to 5(x + 3) + 4(x + 7)? ... a ... rate ... Which ... is not ... in the ... 4 ... the ... Given ... 2. Assume that the ... the following ... 0.50kmol of oxygen (M= 32 kg/kmol).(Hint:m=Nm) Find (a) mass (b) density (c) specific volume Prove that if q^a+1 mod N and g^b ≡ mod N then gcd(a,b) ≡ 1 mod N for any positive integers g, a, b, N . I need help with answering the problem below thank you!. 5. If the Barangay hall , as well as the whole barangay moves 2 units up and 3 units to the left, what will be the new location of the Barangay... A clothing business thinks there is a linear relationship between the number of shirts, tn, it can sell and the price, p, it can charge per shirt. In particular, historical data shows that 1,000 shirt... Apply matrix algebra to summarize and process multivariate data.. Construct linear and logistic regression models to solve business prediction problems. Instructions: (Marks) would be deducted if yo... prove: if v(u,v,o)=>,x<v and u<v, then wu<y<v Construct a math conclusion for elementary students? Q 1: (a) Let X be any set and let [e]* be the collection of null set and all subsets of X whose complement is finite. Prove that [e] is topology on X. (b) Let A be any subset of X, where (X, J) is an... Help me this question clearly step by step pls!. Question 4. Let c be a positive real number, and let A(c) denote the area between the x-axis and the curve y = x² + c over the interval... What is an ... (ii) f(x) = (f(6x) Where K = infinite4] WRITE YOUR f(X) AND THE COORDINATES OF THE TRANSFORMED POINT, P'.. HERE [2 write your) here.) ≈ {K A, x, a 3 } Let, explain why, and de... refer to image for question. 11 / (2 Points] DETAILS HARMATHAP12 5.3.047. MY NOTES PRACTICE ANOTHER An investment services company ... analysis ... compare between ... one ... Next ... equal, the ... Lagrange multipliers to find ... and ... In the ... (2) Let ... with ... please ... point ... give the right ans thx. We want to calculate: f (n) In Ix(dx - do where: f(x) = -3x2 - x+2 (x 2) + 1-3 3 ... Define F(x) = f(z) In(z), where f is defined by the following.... Find ... Please help with the following question, this is for Discrete Structures 1. Thank you... Question 3 5 pts Using the equation f(x) = x2 + 1 to describe the functional association, write the function as a set of ... A rectangle has a height of 4a- and a width of 6a + 9a... The rectangle is ... Express the area of ... Problem ... 2. Which ... model to ... Q ... Consider the ... 3 m ... equation ... Please ... with an angular velocity ω... If I want to make fifteen dollars of cookdrink, how much concrete must I use? Describe all numbers :1 that are at a distance of 4 from the number 6. Express this using absolute value notation. Your answer: Question 2 . Homework: 5-2-1: MyMathLab Installment Buying Part 1 of 2 Points: 0 of 1 Landon Wallin is an auto mechanic who wishes to start his own business. He will need $3000 to start ... Write the equation for y(x) given the graph of y(x) below ... Please provide Handwritten answer. (b) Let pi = (i, 0) E R2 for i = 1, ... 100. Let C1 denote the circle of radius 100 centered at the point pi, oriented counterclockwise. Describe a vector field G s... Remodel graph with variation ... Provided ... that ... them. ... Find the following ... Problem ... 3 ... The ... following TV problem using the revised simplex... Use the following information to answer the next two questions. Y A = (fx 1 y) = 1 2 3 4 ... ? A Numerical Response Q ... ... Using the values of f + g(t) ... 2. (4 marks) A ... from a Beta distributi... Here is a version of the Wormersley equation for blood flow ... for ... r~~ ... aw_n5 ow 5P ... ff ... ox where η ... is the density and its viscosity and ... (t', t) is the longitudinal veloci... Dan and Lucy have been married for 3years and have no children. Dan is a dry walker whose monthly net income is $3000. He drives a leased van, with monthly payment of $350.00. Car insurance for the va... 4) (20 points) Answer ... the following: ... Given ... the ... 4) A company produces three models of MP3 players, models A, B, and C. Each model A machine requires 12 hours of electronics work, 2 h... Suppose a triangle's two sides are not parallel, and find the shortest distance between them t = 1 - 2t, 7 - 4 29 + 6.1 t: y = 3+5t, and L2: x = + 5. -25 = + -2 t; Explain why it is u... need help. Identify the terms, coefficients, and constants in the expression. 5c2 + 7d Term(S): · Coefficient(s): Constant(s): : 502 : 7d : 502 : 7 d : ... 5 : 7 : ... none : c,d how can I even begin to solve this. Robert's monthly bank statement showed the following deposits and withdrawals: $113.24, $98.07, $18.74, $98.17, $37.13 If Robert's balance in the account $110 31 at... (20 points) Consider the MA(2) process: Xt = Z1 - .Zt-1 + Zt-2. (a) Calculate its autocovariance function y (7) and autocorrelation function p (7) for 7 = 0, 1, 2, ... (b) Is X, invertible? Unicellular organisms vary in size from very small bacteria to extremely large protists. If a cell is assumed to be cuboidal with all sides equal i.e., Length = Width = Height), then surface area an... Taken from a ... 1 mL ... At 30 min to solve this?1? QUESTION 14 ... The ... during ... find ... the ... of ... If ... no ... 300 ml/hr 98 ml/hr QUESTION 15 ... It is only one question. I have uploaded 2 pics, but it is one question. In the binomial probability distribution, let the number of trials be n = 4, and let the probability of success be p = 0.2689. Use a calculator to compute the following. LO USE SALT (a) The probabilit... (c) Compute the change in dimensions ... 1 ... (2) Let ... the number of sided dies ... In general, how do you think the mode, median, and mean are affected when each data value in a set is multiplied by the same constant? Justify your answer. ... NUMERICAL METHOD QUESTION 1 Consider the ... Part A ... answer ... Which of the ... have ... 2 ... In ... 2) ... -3(x ... and ... Question ... e ... it is a ... Do ... greater than 0.1 (0.83 0 0.80 0.01 (0.55 (d) 0.77 Which of the follow... Third Order Lax-Wendroff (Lax-Wendroff) + ... (a) Construct ... 2 ... Then the ... and ... how to ... Numerical ... Explain Why ... Let Y = ... Please ... The data ... What ... Let ... be the ... Given ... This Question... ... the ... outlets. The restaurant uses a toll-free telephone number to book pizzas at any of its outlets. If the clerk occupied on ... For this problem, carry at least four digits after the decimal in your calculations. Answers may vary slightly due to rounding. What percentage of your campus student body is female? Let p be the prop... On June 23, 2012, you could read on the Dallas Morning News website that In 1960, the cost of raising a child was just over $25,000 for middle-income families. That would be only $171,726 today when adj... Sir i am stuck for this question. 3. Determine whether S = {aj, a2, a3, as } is linearly independent, where as = ... (IN CLASS) Old Navy is having a sale. Pants are priced at $15.00 each, shirts are $7.98, belts are $4.85, and socks are $1.04 per pair. Determine the sales tax for the purchase if 3 pairs of pants... The four shapes that are examined in MS are – rectangles, circles, angles, and prisms. They learn that polygons with four sides are called quadrilaterals (poly means many, gon means side, quad mean... Explain how Lagrangian Mechanics uses the idea of state machines. hello i really need help on transformations (general maths). Exam style questions 1. A 8 –7 –6 –5 –4 –3 –2 –10 –9 6 8 – (a) Describe fully the single transformation that maps shape A onto shape B. ... help me.. 2. Darwin buys 3 ice cream cones. The total is $2.30. How much did Darwin spend on one ice cream cone? Use the grids to the right to solve. Jensay, a sales agent, earns P9(P17,000 for each month, how much in sales for the month. If she earns a total of P26,000 for the month, how much is her sales for the month? Un capital impuesto al 10% bianual de interés simple, ha producido durante un tiempo una renta equivalente al 4% del monto.¿Cuál es ese tiempo? A) 4 años B) 10 meses C) 6 años D) 6 meses ... Let SXX = ∑n i=1(Xi − X¯) 2 and SXY = ∑n i=1(Xi − X¯)(Yi − Y¯). Show that (a) SXX = (∑n i=1 X2 i) − nX¯ 2 . (b) SXY = (∑n i=1 XiYi) − nX¯Y¯ . Question 14 (6 marks) Find all complex numbers 2 such that 2.5 + 2:3 — 2 = 0. Express all your answers in polar forms. Solve the radical equation. Be sure to check all solutions to eliminate extraneous solutions. Sqrt7t+5 =7 Enter the exact answers. The field below accepts a list of numbers or formulas separated by se... Consider A ∈ R^(n x n), orthonormal. Now, consider the matrix A˜ = [A , a 1], where a 1 is the first column of A . What are the spark, mutual coherence, and RIP of A and A˜ ? Dimensionsin cm Three charges are placed as shown. The value of q1 is 1.8 pC and the value of q3 is —4.0 pC. The net force on q3 is in the negative x—direction.. Determine the charge on q2. Unit h... Please provide Handwritten answer. Problem 4 Assume that the equation Ax = b is consistent and let x = Ab. Show the following. . Show that there is exactly one vector u in row space of A such that Au ... For each of the following, draw the first three terms of a visual pattern that has the given number of blocks in the n th figure. There needs to be a coherent visual pattern; that is, someone should b... 4) y" – 3y'+ 2y=4e", y(0)=-3, y'(0)=5 baslangic deger problemini Laplace Donusumu yardimlyla cozunuz. cozum = y(x) =6e2* +2xe2x-get Link to the reading: What should be the goals of K-12 mathematics education? And using evidence from the reading(s), why do you think these should ... We hear a lot about things being correlated but often there is not a proper understanding of correlation according to statistics. This week is about simple inferential tests; you will gain a basic und... peter travels 4 hours at x km per hour and then for 5 hours at 10 km per hour faster if he travels 590 km in total determine value of x An airplane averages 120mph in still air. With a tailwind it is able to make a trip in 24 hours. Because of the headwind, it is able to make the return trip in 32 hours. What is the average wind sp... Create an orthonormal basis starting with basis elements 1, t, t2 in L? [-1, 1]. 2. Let (1,)2, . ..;) be independent and suppose {e1, ez , . .., e,) are obtained from the y's by the Gram-Schmidt ... Please help with this applied math question. In this MATH336 assignment problem, consider the LP max (-1, 0, 0, 1, 0)x (+0) -1 1 -1 1 s.t. = 2 -101 1 2 0 Now, consider the sets of indices B1 = {3, 5}... f is a rational function of the form g(x)/h(x) where g(x)=X and h(x)=x 2 +3x+2. Find the domain of f(x) Sheridan Service has a line of credit loan with the bank. The initial loan balance was $8000.00. Payments of $3000.00 and $3500.00 were made after four months and eight months respectively. A... essay about Math isn't hard, it's a language | Randy Palisoc | TEDxManhattan Beace Give the answer to the correct number of significant figures. 2.5608 + 15.92 , 7964+86.94 + 760, 4.596 – 2.81, (4.58 * 10^6) * (4.3198 *10^19) I want answer to this. Diberi suatu fungsi kuadratik f(x) = 2×2 – 4x + c. Titik A(2, -3) merupakan suatu titik yang dilalui oleh fungsi kuadratik itu. Nyatakan pintasan-y bagi fungsi kuadratik itu. Gi... help me to find. Solve for d: 0.570in. 11.4cm 22.8cm Find the cartesian coordinates of the points(3, 3π/2, 5) which is in cylindrical coordinates Please use excel. . 2. Sara invests $1000 into a fund that earns compound interest. This means that as interest is earned, the interest is added to the original principal, so that the next intere... The dimensions of the can containing peach slices: Diameter = 101.35 mm Height = 118.12 mm Convert the dimensions into the shorthand notation used in the canning industry (e.g. 301 x 106). Show your... Problem Solving (5 points) From the main entrance of a park there are 2 pathways where visitors can walk along going to the circular garden. The pathways are both tangent to the garden whose center is... Find the acute angle 0, to the nearest tenth of a degree, for the given function value. sin 0= 0.5527 (Type an integer or a decimal rounded to the nearest tenth as needed.) 1108 k + N. X G. 8 ft 3 ft B 7ft- The train has a weight of 23000 lb and a center of gravity at G. It is suspended from its front and rear by a total of six tires. The rear three tires, A, B, and C... trying to help my little sister with her homework but I have no idea on where to start. please helps... 1202 '8 W Y AV = WI I – XD = A 8 + X8/1-+ A Hi can you help me solve these questions . The Cardinal's Ferris Wheel is being built next to another larger Ferris wheel: Ambro's Altitude Wheel You are to create a sketch of your Ferris Wheel... Question 3 10 pts A 1.3-m long gas column that is open at one end and closed at the other end has a fundamental resonant frequency of 79.1 Hz. What is the speed of sound in this gas? [5 marks) Consider the data. Find the approximations to f1?) and f'(2.06) of order 0012). Five samples of halo-halo vendors in Barangay Uno have a standard deviation of Php20.00. What is the sample variance? Week 7 Grade 9. the Remainder Incor Learning Task 1. On the chart below, find a factor in Column B of each of the given polynomials in Column A using the Factor Theorem. Column A 1. x2 + 6x + 8 x +3 2... Question 14 (3 points) Word Problem Question 1: (You have to submit an image of your FULL solution to the question in eConestoga -> Course Tools -> Assignments [Final Exam Submission]) Margaret ... On Part 7, I keep getting the error "name 'assigned_team_df' is not defined". What am I missing in the code? Marcus receives an inheritance of $2,000. He decides to invest this money in a 13-year certificate of deposit (CD) that pays 30% interest compounded monthly. How much money will Marcus receive when he... 4-1 Actuarial cost method: Individual Aggregate, with assets allocated to each active participant in proportion to the sum, as of the prior valuation date, of normal cost and allocated assets Actuaria... Tony Ring wants to attend Northeast College. If he deposits $47,055 today, how much will he have 4 years from now at 12% interest compounded semiannually? (Use the Table provided.) (Do not round inter... El grafico adjunto muestra las conclusiones del estudio de Equilibrio de mercado mercado de un nuevo producto. El precio esta en US$ y Precio 100 la cantidad en unidades vendidas por semana. 80 Determ... The figure below presents mr Zuma's estate plan. Identify the polygon presented help. A battery manufacturer is trying to improve the lifetime of its battery by considering three types of technologies in its production line: A, B and C. To instigate the effect of these technologi... TRY Solve the system of the equation is AB where A is the free term: matrix of the system and B is column free. A= ; B= A ; B SYETM OF LINER EUQATION. ; B= A= ; B=. 17. 1 1. 1. -21 2 System Integration Project Application of PERT/CPM Activity. Immediate Predecessors. Time A. ?... OceanJuice produces both a cranberry juice cocktail and a raspberry-cranberry blend. Each day OceanJuice can receive up to 1000 gallons of a raspberry concentrate that costs $2.00 per gallon, up to 40... (10 points) Can we generalise the triangle inequality to three vectors? That is, do we have ‖a+b+c‖ ≤ ‖a‖+‖b‖+‖c‖ for any n-vectors a, b, c? If so, justify it. If it's not true, give... I don't understand the formula. A 6 inch personal pizza has 570 calories, with 240 of those from fat. A 16 inch pizza is cut into 8 slices. Estimate the number of calories in one slice of a 16 inch pi... Choose the equivalent system of linear equations that will produce the same solution as the one given below. 4x – 2y = 6; 2x + y = 5 <- these are the equations that need to be solved. The answer ch... Find a function f that hives the philippine peso value f(x)euro Unit 1: Introduction to Conic Sections and Circles 1.2 Definition and Equation of a Circle Questions below: 1.) 2.) 3.) 4.) 5.) 6.) 7.) 8.) 9.). E Unit 1: Introduction to Conic Sections and Circles 1.... Only number 16 on the one image and 2 on the second. In problems I -42, find the indefinite integrals and evaluate the definite integrals. In some of the problems a particular change of variable is su... find the Fourier transform of the following. 2. (11.8) A Gaussian function g(t) = e t /2 has a Fourier transform F(w) = e-w /2/v27. Us- ing elementary properties of Fourier transforms (scaling, time s... Are the following independent or dependent events? 42. Choosing a green M&M from a pack and buying a winning lottery ticket 43. Paying off a loan and walking in the rain 44. Choosing ... For mallard ducks and Canada geese, what percentage of nests are successful (at least one offspring survives)? Studies in Montana, Illinois, Wyoming, Utah, and California give the following percentage... All held questions will be shown to you again at the end of this test. You have held 11 questions so far. F 5% A D 10% 15% B C 30% 40% The circle graph shown above represents the distribution of the g... Given 5 < a <b X – a Determine the domain of f(x) = (x – b) (x – 5) O a. (- 0o,5)U (5,a)U(a,.) O b. (5,b) O c. All real numbers O d. x =5, x = b, x =a O e. None of these options You are given: (i) The following Markov chain: Healthy (0) Stage 1 (1) Stage 2 (2) Dead (3) (ii) The following transition forces: Arts = 0.02, As = 0.05, pas = 0.1, 23-=0.2, 3 -0.5 (iii) Continuous... n this question you will be writing some constraints for a linear programming equation! Customer k=1 requires at least 3,000 units. Factory i=1 can supply up to 6,000 units. Distribution center j=1 ca... Please provide Handwritten answer. 1) Given x = vuz + E2 sin 0 cos 1 y = vuz + E2 sin 0 sin 1 z = u cos 0 ds2 = dx2 + dy2 + dz2 where E is treated as constant Derive: ds2 u2 + E2 cos29 u2+ E2 du?+ (u2... Suppose the speed commuters typically drive on the 5 freeway is normally distributed with a mean of 75 miles per hour and a standard deviation of 10 miles per hour . If 16 commuters are randomly... business mathematics. A piece of property valued at $56 100 is assessed, or evaluated, for property tax purposes at 6/ 11 of its value. If the property tax rate is $3. 75 on each $100 of assessed valu... Use the formula P = 21 + 2w to find the length I of a rectangular lot if the width w is 55 feet and the perimeter P is 250 feet. feet determine the final amount if $8500 is invested at 5%, compound quarterly for 10years? 2. Determine the present value of $1350 in 9years at 4% compounded semi-annually? 3. Determine the sum o... Subject: Differential Equation Kindly solve the Differential Equation-Reduction of Order, Method of undetermined coefficients, Variation of parameters 1. (D 2 -5D+6)y=2e x , use the Reduction o... Please provide Handwritten answer. Consider the complex numbers: 2.x A = $5- j ; B = -7-19 ; C=10e (i) Write down the magnitude and phase angle of the number: D=(A-B)'/CVS . (ii) Find the phase angles ... How many solutions does the equation have? How is this shown on the graph? ne Quiz (optional) Remaining Time: 02.24:39 Perform this 6-bit addition where the given binary values are in two's complement form. Give the result in binary on 6 bits (do not convert to decimal). Det... solve equations and compute correct answers. Do not just give the sol bits and pieces. Clarity of presentation of your argument counts. Chapter 1 1. Let P, Q and R be statements. Show that (a) P = (QA... Suppose x0, x1, x2, . . . is a sequence in a Banach space s.t. ‖xn − xn+1‖ ≤ 0.1‖xn−1 − xn‖ for all n ≥ 1. Show that {xn} has a limit. (Hint: Show first it's Cauchy.) Hi, I have a new course that use sum I found it very difficult n n E E = ? i=1 j=1 the answer is n(n+1)/2 I dont have the therory, could you help me to do my exercise with a good tutorial (in english ... Un espejo cóncavo de afeitar se fabrica de tal forma que un hombre a una distancia de 20 cm de este ve su imagen aumentada 1.5 veces. ¿Cuál es el radio de curvatura del espejo? Translation. A co... c.) Find the Standard Deviation of this Probability distribution: Question 4 12 pts 9 1 0 Details Question #4: Binomial Distribution (12 points – 4 points each) Mary's Final Exam for Psychology has 10... . In the aeronautical market, Boing and Airbus constitute a duopoly in the production of large airplanes. The American firm has the following cost structure C(qa) = 20 + 3qa + qa, and the European f... A simple model for a semi-permeable membrane is represented by the following diagram. A B The transport in both directions is at the same rate as represented by the arrows to the left and right. That ... SHOW SOLUTION PLS!!. Multiple Choice. Choose the letter of the best answer. Show pertinent solution if necessary. 1. What is the exponential form of log, 125 = 3? A. 5125 = 3 C. 53 = 125 B. 3125 = 5 D... Please use Excel solver if possible.. American Auto is evaluating their marketing plan for the sedans, SUVs, and trucks they produce. A TV ad featuring this SUV has been developed. The company estimat... You wish to determine the quality of wine based on the percentage of alcohol and the type of wine, white (0) or red (1). Quality % Alcohol Wine Type Type of W... Can you show me how to do this question ?. Question 3 of 6 A $3,000 bond that has a coupon rate of 5.60% payable semi-annually and maturity of 5 years was purchased when the yield was 4.60% compoun... pls help me with this.. Question 2 (5 marks) Show your work and draw box(es) around your final answer(s). Use algebraic methods unless otherwise stated. The volume of air in a model car is 40 cm3. A s... can you please explain these equations with grade 12 solution? other tutors were answering me by rule "In" which I didn't learn yet. thanks a lot. f) 6* = 29 (to / dec. place) 9) 2x- 5= 10(3*) (exa... In the United States, the annual salary of someone without a college degree is (on average) $29,073, whereas the annual salary of someone with a college degree is (on average) $50,296. If the cost o... Any explanation you can give would be really appreciated. I don't understand how to add slack variables when constraints are less than 0 or free. What does it change? . Exercise 3) Put the following ... Divide 896 by 16 using partial quotients. Compare the methods. For example, how is the 80 in the standard algorithm expressed in the partial-quotients method? A group of 420 students are required to take a test. Of these, 390 actually take the test, and 30 are absent that day. (i) Write down the ratio of the number of students who take the test to the num... Jayden has been on a hiking trip for 95 days. The histogram shows the numbers of miles she hiked on those days. What interval contains the 35th percentile for this data? Give an example of two denes not equal X subsets of (R, r) and (Z, toof). (Explain your answer). You can wash 36 loads of laundry with a box of detergent that costs $10.79. How much will it cost you to wash 10 loads? I Julia says that it's easy to multiply a num- ber by 4 because you just "double the double. Explain Julia's idea, and explain why it uses the associative property of multiplication. (4.) An observer (coordinate system) with 4-velocity U measures the properties of a particle with 4-momentum p. Show that the Euclidean metric of the observer's 3-space, when thought of as a tensor ... Assume the random variable X has a binomial distribution with the given probability of obtaining a success. Find the following probability, given the number of trials and the probability of obtaining ... Pure tone sound waves are sinusoidal oscillations of the density of air. Our model of waves on an elastic string (beads and massive strings) suggests that waves of moving matter depend on a restori... Fur numbers 1 -6. A bus izornpan}:r operates tour bus routes [A B. C, and D} and 50 buses. The buses are apportioned among the routes on the basis of average number of daily passengers per route which... not sure what to do . Subtract the following in hexadecimal. Your answer must be a hexadecimal number ESE.C 57A.2 kindly answer both parts. (a) Show that, if u := (x, y.=)= (1,1, 1) is a solution to the system of equations so is u + k(-1, 1, 1) for any value of k. (b) Let matrix A E "xml with elements ajj. v... Assignment 15.3 Line Integrals Progress saved Done Score: 35/45 7/9 answered Question 5 > 0/5 pts ' 65535 92 Evaluate F . dr where F = < 5x – y, x + 4y > , and C is the circle of radius 5 cen... In a recital, there were 15 boys dancing. If 1/3 of the dancers were boys, how many dancers were there in all? If I generate 100 lbs of force at a distance of 1.2 m from the axis of rotation, how much torque did I generate? Molly Joy owns her own car. Her June monthy interest is was $205. The rate is 13.5%. Find out what joys principal balance is at the beginning of june . use 360 days (dont round denominator) round to n... What is the future value of payments of $200 made at the end of every 3 months for 12 years if money is worth 5% compounded quarterly? 2. What payment made at the end of e... A water tank is empty. Anil needs to fill the tank with 2400 litres of water. Company A supplies water at a rate of 8 litres in 1 minute 40 seconds. Company B supplies water at a rate of 2.2 gallons p... What price do farmers get for their watermelon crops? In the third week of July, a random sample of 40 farming regions gave a sample mean of x = $6.88 per 100 pounds of watermelon. Assume that a is kn... Suppose you want to minimize the surface area of a cone-shaped drinking cup having fixed volume VO. Solve the problem as a constrained optimization problem as follows: The area is A = mrvr2 + h2 su... ANSWERING THE FOLLOWING IN R STUDIO #1)A study was made by a retail merchant to determine the relationship between #weekly advertising expenditures and sales. The following data were recorded: ad.... pls help me. Question Progress Homework Progres 12 / 39 Marks Shape A and shape B are each made from five identical squares. Not drawn accurately Shape A Shape B The perimeter of shape A is 60 cm. Wor... DIRECTION: ESSAY: Answer briefly. How can you apply Polya's four-step problem strategy in solving problems related to your study as BS Public Administration student? A door-to-door salesman expects to make a sale 14% of the time when starting the day. But making a sale increases his enthusiasm so much that the probability of a sale to the next customer is 0.24. If... Question 2: (15 points) Find a basis in the subspace spanned by the following set of vectors, and determine the dimension of this subspace: 0 -3 N You have $100 and you put $6 into savings. What % of your money are you saving? A farm co-op wants to grow corn and soybeans. They have 4,000 acres that can be used to grow their crops. Each acre of corn requires 3.4 gallons of fertilizer and 2 hours to harvest. Each acre of soyb... Considerons 3 populations normales avec une variance commune σ' = 100. (a) Determiner la taille des groupes n requise pour un plan equilibre (nj = ng = ng = n), afin que la puissance du test de l'egal... Can i please have full working out to this question and it's parts, thank you!. Question 3 [30 marks] Given the following vectors in component form: v = (3, -3, 0) w = (3, 3, 0) $ = (-1, -4, -5) r = 3... sir i am stuck for this question only last 4 R=3. (b) Determine whether each of the following statements is true or false. Note that in this question R is the last digit of your student ID (e.g., ... psi = (55 feet) x 1.0 psi = 23.81 psi 2.31 feet Head, feet = (100 psi) x 1 foot of head = 231 feet 0.433 psi Example #4: Head, feet = (17.3 psi) x 1 foot of head = 39.95 feet or 40 feet 0.433 psi 1. C... In order to find the derivative of 2x, find 2x^0 which is really 2(1), which comes out to be 2. 1) Calculate the fundamental frequency of E6 b when using the following tuning systems. Round your answers, if needed, to the nearest 0.001 Hz. a) Harmonic Series Tuning (Keyed to A) b) Just Intonatio... Please help answer this! . A 40 m building casts a shadow 28 m long. What is the angle of elevation from the ground to the top of the building? Questions 1A , 1B & 1C. 1. You are given three complex numbers z1 = 8 + 15i, zz = 9 + 40/ and z3 = 3 – 41. The arguments of the complex numbers are: Arg(=1) = 61.930, Arg(=2) = 77.320 and Arg(23) ... Solve the following extended Benjamin-Bona-Mahony equation using Spectral Methods. Report your results along with numerical solutions, comparisons, plots and MATLAB scripts.. To solve numerically the ... sle. 1) (5 points) Make a math drawing that shows how to organize 16 small objects in a way that corresponds to the way we write 16 in the base- ten system. Exercise D. Solve the problem by working backwards applying Polya's 4-step in problem solving. Sarah leaves Seattle for New York in her car, averaging 80 mph across open country. One hour later a plan... 1) Use the quotient-remainder theorem to find the gcf {70, 56}. 2) Find all integers solution to 70q + 56p = 14 A sales flyer for a music store offered a discount of $325 on an electric guitar that had a list price of $1,259.99 To promote the start of the sale, an additional discount of $85 was offered on ... Hi! With explanations and full solution please, I really want to learn this but I am having a hard time understanding. Topic: Cash Flow and Deferred Annuity find the x-intercept of the grap of each quadratic function. = X 2 LC + 8+ 12 What is probability that the total amount defaulted in a given quarter will be less than or equal to 1.2 million pesos Please solve this problem . Theorem 3.3.7. Let f : X -> Y and g: Y – Z be functions. (a) If f and g are injective (one-one), then go f is injective. (b) If f and g are surjective (onto), then go ... please explain. IV Suppose that the system is x(1) = -x(1) +4u(1), x(0) = 2 Control constraint: -1 S u(t) < 1 Find control function u(t) such that J = | [2x(t) -u(t)]dt is minimized. Wong is employed at an annual salary of $23,213 paid semi-monthly. The regular workweek is 36 hours. (a) What is the regular salary per pay period? (b) What is the hourly rate of pay? (c) What is t... Overproduction of uric acid in the body can be an indication of cell breakdown. This may be an advance indication of illness such as gout, leukemia, or lymphoma.f Over a period of months, an adult mal... q questions are complete . Fixe-9×2 Oa ; The- 36 12 Ob) 20 – 912 O c) None of these Od) in 36 54 12 36 3. -3an The solution of the coefficient recursion relation ant1 = 2 (n+ 1) , n 2 0, is an O a) ... Question 135 employees were asked if they completed new employee training and if they were hired in the last year (categorized as a new employee). The results are shown in the table below. Completed T... asap help!. Look at ZUVY and ZYVW in the image below. Y X W Which of the following is the best description for this pair of angles? complementary O acute O straight O supplementary please help me. Find the circumference. Use 3.14 for It. r = 4 cm C = [?] cm C= TCd Find the feasible solution for the below simplex tableau. Find x1,x2,s2,s3,s3,P. Please provided explanation.. 21. Use the simplex tableau below to answer the question that follows: X 08 1 -.4 0 0 8.6... can a function f(z) which is purely real valued be analytic? describe the behavior of such functions.. 3. Can a function /(=) which is purely real-valued (i.e. 3[f(=)/ =0) be analytic? Describe the be... find the 7 complex roots of the following:. 1. Find the 7 complex roots of (128) 1/7. Sir i am stuck for this question. 10. Calculaji: a) lim (1 + x213) b) lim c) lim – xsin-+y; x+y*0. x+0x+y X QUESTION 2 . 1 POINT Jenny has 84 one-dollar bills and 48 five-dollar bills. What is the ratio in number of one-dollar bills to five-dollar bills? Simplify your answer. Provide your answer below: Find the general solution of the system of equations. Describe how the solutions behave as (+ co. (a) x' = X (b) x' = X (c) x' 2 X 1. Solve each initial value problem. Sketch the trajectory of the... Gradebook Remaining Select the correct loops to simplify the given function in SOP (sum of products) form: Note To select loops that wrap around the edges of the table, you must select both sections t... A subset A C R is called closed if its complement R – A is open. Prove that A is closed if and only if A contains all of its limit points. In a secret laboratory, ethically compromised engineers have developed nanites, microscopic robots capable of self-replication. The nanites' programming allows each nanite to produce two additional na... Let flat] = €32 and h = 0.15 in each case. (a) {2 marks) Find f'(1} using the formula f'(:n) = f M + h) — Mr) + f(2: — h) h? (c) (5 marks) Find the exact and relative error for the approximat... 1.Stuart Daniels estimates that he will need $28,000 to set up a small business in 7 years.(a)How much (in $) must Stuart invest now at 8% interest compounded quarterly to achieve his goal?$ (b)How mu... Gonzales is a famous or well -known lender of money to a community. In his desire to pay mr. Fernandez in his debt he accused him of "estafa" because he had sent him several times a notice to pay ... A Sierpinski gasket is being constructed. If the area of the region after step 3 in the construction is 12 square inches, then the area of the region after step 4 of the construction will be Group of ... . Suppose you need to choose between two car rental companies. You plan on driving for 8 hours at a constant speed of 60km/h. Company 1 charges $0.20/km and a daily fee of $45. Company 2 charges ... Answer directly no explanation needed, answer as fast as you can this has time limit. Question 3 Solve the equation Not yet answered 91-2x – 37-5x Marked out of 2.00 Select one: Flag question O a. 7 O... mathematics economic and business. Q6. The supply function for seats in the front stalls concert tickets is given by the equation P = 40 + 5Q where EP is the price per ticket and Q is the number of ti... Please help with this advanced math question. Please note this is convex NLP. In this MATH336 assignment problem, suppose (NLP) min f(x) s.t. gi(2) <0, i = 1, ...,m is a convex NLP, and x() and x(2... QUESTION 3 . 1 POINT Carpet costs $25 for every square foot. The base pay to install the carpet is $300. a. Write a linear model to represent this. b. How many square feet of carpet can you buy for $1... hi,can you help me answer this question?. Praktis Kendiri 10.2 Buku teks: Muka surat 238 1 Rajah di bawah terhasil dari gabungan tiga bentuk. ABCG ialah sebuah segi empat sama, CDEG ialah sebuah trape... Show work for each problem. 18. Fill in the blank with an appropriate word, phrase, or symbol. When using the pairwise comparison method, the number of comparisons, c, needed when there are n candidat... In a completely randomized design, seven experimental units were used for each of the five levels of the factor. Complete the following ANOVA table : ?... Answer question A and B. a. Use the appropriate formula to determine the periodic deposit. b. How much of the financial goal comes from deposits and how much comes from interest? Periodic Deposit Rate... [-/1 Points] DETAILS BBUNDERSTAT12 3.3.007.MI. At one hospital there is some concern about the high turnover of nurses, A survey was done to determine how long (in months) nurses had been in their cur... Let f (n) be the number of elements in me group of symmetries. of a regular n-gon . Let gin) be the number of elements in Jym ($ 1 , 2 , ... , n 3) . Find me following limit : qin) F (n) > Next question Get a similar question You can retry this question below The Total Return on an investment is the relative change in the investment value: Ending Value-Initial Value Total Return = ... It says, Amy gets paid $2 for every page she types. Which graph shows this linear pattern? 20 18 20 16 18 14 16 Dollars 12 14 A ($) 10 Dollars 12 8 O c. ($) 10 NA 1 2 3 5 Pages N 5 Pages 20 18+ 204 16... Pls help me in this question, VERY URGENTTT!!!!. The radius of a ball is 6.7 cm. Find the minimum possible volume of the ball. (Formula for the volume of a sphere: ~ mr?). QUESTION A2 (4 Marks) B A b ... Please provide Handwritten answer. Are formulas of the following form generally valid, satisfiable but not valid, or unsatisfiable?. C) ((‘x)VAAXE By A(y, y) D) [3x A(x) [(x)AXE 3x [A(x B(x] = please help with 2(a) Dont mind if theres only process as partial credits are needed too. 2. Suppose y(s) is a unit speed curve in 3-space. A surface S in 3-space is said to rectify (or straighten) th... Use break-apart to find each product. 5. 6 X 8 = (6 x 4) + (6x 6. 7 x 3 = (7 x 1) + X 2 + Evaluate the expression C(12, 3), equivalently 120'3. Your answer is : Assuming the initial values of the unknown variables as indicated below; use Gauss-Seidel Iteration Method to find the solution of the diagonally dominant four-equation-four-unknown system by perfo... What is Fibonacci and what did he do? 2. Why did Fibonacci become tamous? 3. Starting with the first Fibonacci number, Fib (1) = 1 and the second Fibonacci number Fib (2) = 1, what is the 151'1 Fi... A town's population increases at a constant rate. In 2010 the population was 54,000. By 2012 the population had increased to 79,000. If this trend continues, predict the population in 2016. The popula... given that the first three geometric progression are x-1, x+3 and x+1, find: (a) the value of x (b) common ration and the first term (c) sum to infinity Please explain your answer in details.. The profile below shows the preferences of voters in an election with 4 candidates (W, X, Y, and Z). Determine the Borda count winner of this election. Use t... For this discussion, you will be reading and interpreting graphs, tables, and maps from a particular news report. Specifically: Refer to the following report about dropout rates (Links to an externa... don't understand the equation of the work. Activity 14.1 Pie charts 30 minutes 1. The home languages of individuals in a certain group of South Africans are recorded in the table. Complete the table. ... (Calculus 1) Find all the critical points of the give function. Then determine whether the critical points are local maximum or minimum. f(x) = (x² – 1)⁴. Find all the critical points of the given ... Consider the following system of nonlinear difference equations Tn+1 = 20n – 3Tryn, Un+1 191 09 yn – y (a) Find the two steady-states of the system. (b) Determine the stability of each steady-state... There is a total of five questions just couldn't fit. Exercise . Use the data for the human population density/km for each decade. . Compute the rate of change in human population density for each dec... Find the present value and the compound discount of $4000 due in seven years and six months if interest is 8.8% compounded quarterly Consider the following BVP for the diffusivity equation with the inclusion of a term G(x,t) usually conceived as a thermic source d'u + G(x, t) = du . 0<x<L, t>0 at ux (0, t) =0, ux (L,t) ... PLEASE SLOVE THIS QUESTION. Section 16.1 Follow-up Exercises For each of the following functions, (a) determine whether f is increasing or decreasing at x – 1. Determine the values of x for which / is... Solve the System by Elimination/Addition {5x+3y=11 {6x+12y=30 Mariana consiguió un juego de comedor a 1,329 para pagarlo mensualmente durante tres años. Ella pagará a un interés de 1.4% mensual. Cuánto será sus pagos mensualmente mathematics as a science of patterns teaches us how to think logically, critically, and _____ Circle the verbs in the following sentences and answer the following with TRUE or FALSE a. The capital of Philippines is Davao. Mark is investing an amount at 15% simple interest for 3 years. If he extends to have P48, 200.00 at the end of the term, what must be his principal? At the end of the speech, how does Lincoln characterize the American system of government? The Continental Bank made a loan of $20,000 on March 25 to Dr. Hirsch to purchase equipment at her office. The loan was secured by a demand loan subject to a variable rate of interest that was 7% on M... Assume that x has a normal distribution with the specified mean and standard deviation. Find the indicated probability. LO USE SALT u = 108; 0 = 18 P(x 2 120) = 18 X Need Help? Read It If your home is on a 1/4 of an acre, how many square inches is that? show steps you will write down all of the computations explicitly and explain each step in your proof clearly.. 1) Prove that T = $ ding (era FB, ei(x + B)) 1 x, BE [o, 270) ? is a maximal torys in SU(3). please help me answer this . Direction: Answer the following questions/problems. Write the letter which corresponds to your answer on the blank provided before the number. Use CAPITAL LETTERS. ... An ecologist measures the height (in metres) and the biomass (in tonnes) of 8 trees. h 0.60 0.85 1.50 1.70 2.00 2.20 2.40 3.10 M(h) 0.04 0.09 0.40 0.56 0.85 1.09 1.36 2.65 a) By computing some appropr... ine.instructure.com/courses/65284/quizzes/529292/take Question 23 6 pts Light intensity (I) is proportional (ox) to the inverse square of distance (d) of a subject from a light source. The relationshi... If you had 14,569 participants in a tournament, how many games would need to be played to determine the winner? (Assume no ties are allowed.) First, assume it's a single-elimination tournament. ... Line Integrals (a) Evaluate [F . dr, for F = xi – yzj + eck along the path I specified by r(u) = u3i – uj + uk for 0 < u < 1. Ans: e – 5/6 (b) Is this a conservative vector field? Ans: No (c... A 4.3 x 10 6 kg hovercraft, traveling initially at 43m/s [E], brakes smoothly and comes to a stop in 19 seconds. (a) Draw a system diagram and an FBD (b) Calculate the average of the hovercraft as i... . Problem 7 (10 Points) Use a power series to find the solution of y" – 3×2 y = 0. math homework so we have. 3 (a) The following is a macroeconomic model in standard notation: Y =C+I+G C = 158 + 0.84Y 1 = 330 G = 200 (i) Reduce the model to two equations in two unknowns, Y and C. (i... pretty confusing can I get help?. 11. Determine if the function is linear, exponential, or weither and explain your cholos f(x) – 2(7)" Linear Exponential Neither (Circle one) Explanation: f (x] ... theese are mcqes kindly give exact answer. Consider a periodic function of period 4: f() = 7+c, -2<z<0, -2x + c, 0<z <2. Substitute c = 2 and find the Fourier coefficient ag for this funct... 5) (4 points) Draw the next symbol in the sequence: O V XX I don't know how to do. 5. (a) The table below shows the floor area of the rooms in Amir's house. Room Floor Area (square metre) Living room 25 Bedroom 1 15 Bedroom 2 10 Bedroom 3 10 Kitchen 10 Amir i... Points A and B are position vectors where OA=3i+j-2k and OB=4i-2j+5k. Find vector v parallel to BA and whose magnitude is 3 √59 Obtain the cubic spline approximation for the following data. "Ill M with Mg = 0, M2 = U. Hence, interpolate at. I = 0.5 and 1′ = 1.5. Dos espiras circulares coplanares y concéntricas de alambre transportan corrientes I1 = 5.00 A e I2 = 3.00 A en direcciones opuestas, como en la figura P30.64. Si r1 = 12.0 cm y r2 = ... Show that the set of solutions S of ax + by + cz = 0 for (a, b, c) 6 not = 0 is a vector subspace of R cube DryLab L 3: Numbers in the Real World in your course text. Additionall both of those chapters. Then return to Canvas to complete y This quiz consists of 5 multiple choice questions and is wor grade. please help explain steps. calumatity Of the given set. A B 11 10 A V C V n(An (BUC)) = Please provide Handwritten answer. Prove L.H.S= R.H.S. (a) et k 4t the T(a + 1) IM kta k! k please help me. exponential equality or exponential inequality Solve exponential equation 2. Solve for x: (1/125) . 625 > 125 3, Solve for n in the equation 4 1.4" -64 Solve for x in the inequ... Determine whether the following boundary value problems are self-adjoint: a) y" + 3y' + (2+2)y = 0,y(1) = 0,y(2) = 0. b) (1 + x)y" + 2xy' + y = 1(1 + x2)y, y(0) – y'(1) = 0, y'(0) + 2y(1) = 0. Player 2 Player 1 X Y K (9,2) (1,0) L (1,0) (6,1) M (3,3) (4,2) Answer the following question: Show that M is a dominat... We are given a directed graph G = (V, E), two vertices u, v ∈ V and a positive integer L. We want to figure out whether there exists a u-v-walk of length at least L(remember, in a walk we allow repe... Question 2 The graph of the function f (x) = – x – 3 + 12 is a transformation of the graph of the function 0 point g (ac) = * by How Did I Do? . A vertical shift Click for List of Number units . A ... A grocery store had an average checkout time of 3 minutes. The management wished to improve this and installed a new checkout system. To test the new performance, they measured the checkout times x1,.... Prove that for all positive integers, n, n n2 (n + 1) 2 4 j=1 anlysis. 3. If f : (a, b) + R is a function, c E (a, b), and L E R, we say that lim f(x) = L x-C if for every e > 0, there exists a d > 0 such that for all x such that x E (a, b) n (c – 6, c), w... A student was wondering if there was a significant difference in crime rates by type of crime. They took a random sample of six cities in Arizona (Sierra Vista, Gilbert, Chandler, Tucson, Yuma, and Ph... I am having trouble starting this problem.. Megan bought 200 shares of stock at a price of $10 (per share). She sold flLLflf Hie shares at $12 one year later. (1} What is Megan's dollar return in ... 2 Fibonacci sequence 1. Find a closed form for the terms of the Fibonacci sequence by solving the homogeneous constant coefficient recursion fo = 0, f1 = 1 and fn = fn-1+ fn-2. 2. Prove that Sn = fo +... Solve for x. Show all your work and calculations. a) log 16+x =4 b) log, x-5 +9=12 Exercise 30 P(plant) = P(phant) P(ant) 0.98 = P(phant) P(a) since P(t) = 1, P(ant)= P(a) * P(t) = P(a) P(pnant)= P(a) * 0.98 = 0.001 * 0.98 = 9.8 * 104 P(~plant) = P(~pnwant) P(want) 0.98 _ PC(puau~t)... I need assistance on these past questions.. 6. (10 points) Suppose that y = y(x,u) and v = v(r, u) are functions with continuous Ist order partial derivatives, and that they satisfy the equations ryuv... [-75 Points] Coal is carried from a mine in West Virginia to a power plant in New York in hopper cars on a long train. The automatic hopper car loader is set to put 50 tons of coal into each car. T... Name: Navjot Navjot Date: 2021-12-07 Question 1 [5 points] A car repair shop specialises in exhaust pipe replacement. Every year it costs $27,600 to rent the shop and maintain their equipment and $... Write the closing journal entries using the below data of Right Corp. on December 31, 2020. 40 marks Utilities expense 290 Dividends 305 Accounts receivable 600 Wages expense 615 Unearned revenue 245 ... . EXERCISES: 1. Graph the following inequalities, then find the coordinates of the feasible region. a. 2x – 3y < 6 b. 4x – y < 8 x +3y 23 2x – 3y 2 -6 x – 2y 2 -2 x-ys2 2x + 3y ... Solve by using the strategies for solving application problems. A building 60 feet tall casts a shadow 20 feet long. A person 6 feet tall is walking directly away from the building toward the edge of ... Richard Gaziano is a manager for Health Care, Inc. Health Care deducts Social Security, Medicare, and FIT (by percentage method) from his earnings. Assume a rate of 6.2% on $128,400 for Social Securit... Nash Auto has two plants, two warehouses, and three customers. The plants are in Detroit and Atlanta, the warehouses are in Denver and New York, and the customers are in Los Angeles, Chicago, and Phil... Circle all the mam 64 65 71 72 68 69 70 75 76 77 78 74 83 84 79 80 81 82 87 88 90 85 86 89 93 94 95 96 91 92 100 101 102 97 98 99 108 103 104 105 106 107 112 113 114 109 110 111 119 120 115 116 117... A loan (promissory note) of $3,700 was made. It is to be paid back in 4 years with interest of 7.50% compounded quarterly. What would be the appropriate price to pay for the contract 6 months after th... Class: Data Visualization Top 10 high risk Money Laundering Country Data: Afghanistan (8.16), Haiti (8.15), Myanmar (7.86), Laos (7.82), Mozambique (7.82), Cayman Islands (7.64), Sierra L... please help. 13. State whether the following results are both reliable and valid. Explain. (6 marks) a) A national political survey asks a group of high school students what party they favour in order... /1 Points] DETAILS PREVIOUS ANSWERS BBUNDERSTAT 12 Make a tree diagram to show all the possible sequences of answers for four multiple-choice questions, each with four possible responses. Assuming tha... Use the Binet's Formula to find the following terms of the Fibonacci Sequence. 1) 40 th term 2) 47 th term 3) 59 th term The equation of motion of a vibrating string, in the limit of small vibration amplitudes, is given by the wave equation nze M azu at2 p ox2′ where u(x, t) is the perpendicular deflection of a point of... Question 1 We are interested in solving the differential equation ??? = [−?(?? − ??) + ?]?? + ? ??? For some constants ?, ?, ?. 1.1 Consider... a patient weighs 260 LBS, if given a medicine 15mg/kg per dose supplied in a concentration of 12.5 mL / 1000 mg to be given in three times per day, not to exceed 75 mL in a 24 hour period. how many mL... how the rate period calculated??. Home Insert Page Layout Formulas Data Review View Help Tell me what you want to do Calibri 11 29 Wrap Text General BIUY Merge & Center $~ % ' Conditional Format a... Look at the normal curve below, and find #, u to, and o. LL U+0= 87 89 91 93 nicipiti to your discussion. 7. XX Problem: Matteo is 4 feet 3 inches tall. Nico is 3 feet 11 inches tall. How much taller is Matteo than Nico? Sarah solved this problem as follows: 9 9 13 4 ft 3in 6 ... =< Question 39, 17.4.7 HW Score:

22.78%, 22.78 of 100 points Save Part 1 of 5 O Points: 0 of 5 Find all points (x,y) where f(x,y) has a possible relative maximum or minimum. Then use the second der... You have collected data on monthly returns of 10 securities, as shown in the table below Monthly Returns Asset 1 2 3 4 5 6 7 8 9 10 11 12 1 0.004 -0.025 0.009 0.012 0.047 0.006 -0.019-0.037 0.025 0.02... A coin will be tossed twice. Let _ be the event "the first toss shows heads" and F the event "the second toss shows heads". Find the probability of showing heads on both tosses. In... solve this please. 5. A loan of $12,000 is to be repaid by three equal payments due today, two months from now, and one year from now. What is the amount of the equal payments if interest is 7%? (Note... Homework for Introduction to Biomathematics Matrices 1. Let the matrices ⌈ | | | ⌊ [1 −1] [2 1] A := ... please show steps on how to solve the problem thank you. also if using any theorems or facts please state. . 1. a) For each unit-speed space curve with nonzero curvature <(s) show that the Fren... Questions 7-10: And now, yet again (I) we return to the duopoly price competition game. Recall that the demand curve is given by Q = 6 — p where p is the lower of the two prices (and prices are quot... Nad walked for 2/3 of an hour at 3 1/6 km per hour.
But when he realized he forgot his cell phone, he turned around to return home to pick it up. If he walked for ... show your solution. find all numbers Xo between a and b which satisfy the equation f (Xq) = f(b) – f(a) b- q () f (x) = x 2 + 2 x – 1 ; 1 =0 ;6=1 2 .) f (x) = x2 – 4x + 3 ; 9= 1, 6=3 3 .) F (... in the weighted voting system [q :10, 8, 5] what is the smallest possible value that the quota q can take? A12 B11 C 23 D 13 E none Can i please have this solved with full working out!! Please answer this. A firm uses inputs K (capital) and L (labor) to produce its output. The company's production function is: Q=100K0=5L0=5 If the price of input K is 40 smu (currency unit) per unit ... In what ways is a multiple linear regression better than a simple linear regression? Suppose that the monthly income of five-person families in a city is normally distributed, with a mean of $25,000 and a standard deviation of $4,000. (a) What percentage of five-person families ear... Suppose there is an angle θθ inscribed in a circle and this angle subtends a sector with area 13 square units. If θ=8π5θ=8π5. Find the circumference of this circle units. Find the arc le... Thank you!. 2. For each linear transformation from part (1), find a matrix A such that T(x) = Ax. Elise gets a tax free allowance of 6000$ and pays a tax at 25% on the next 20,000%. She pays tax at a rate of 30% on the rest. If she earns 72000$ per year how much tax must she pay? Please with wo... if a piece of blueberry pie costs $4 and a piece of apple pie costs 50% more than a piece of blueberry pie, how much does a piece of apple pie cost? What does the x mean? and how do I get that from Excel?. 0.001 13465 Hillary sells cosmetics from her part-time home-based business. She receives a straight commission of 21% from her supplier. At the year-end, she also receives a 7% bonus on sal exceeding her annu... If there are 10 chickens and 8 rabbits in a cage how many legs are there in the cage altogether The Discussion: In an attempt to figure out why there is a tremendous difference between Medicare reimbursements between states, data were pulled from the top and the bottom of the list that include t... Out of 3,900 colleges surveyed, 50% reported that SAT scores were not used as a high consideration in viewing their applications. How many schools view the SAT as important in screening applicants? Question Horace's points per game of bowling are normally distributed with a standard deviation of 21 points. If Horace scores 254 points, and the z-score of this value is 3, then what is his mean poi... please help with 1a and 1b. 1. Let P be a convex polyhedron in 3-space with F faces, E edges, and V vertices. Let OP denote its boundary (the union of the faces). Denote the faces by f1..... fp and su... Sir, I am stuck on this question . 5. Given the function f (x) = ex(x cosy – y sin y) show that x2+fn 12 = 0 6. Verify if xfx + yfy = 1 for the function f (x, y) = 2x2y + 3x + 3y Please provide Handwritten answer. Consider the following order-requirement digraph with time units of minutes. T1 T5 T7 T2 9 9 6 T3 0 o e T10 T4 9 9 9 T9 T6 Determine both the critical path AND criti... Qno.1 This is all the information. I don't need everything done from the information I sent. I just need an outline of what to say in the presentation. econ roster I sent are the players I chose an... ements Consider the following credit card activity for the month of September: nts Date Balance ns September 1 $0 September 7 $315 September 15 $1,025 September 18 $1,525 September 25 $2,289 If this c... Please answer the following Applied Mathematics problem:. Problem A: Multi-particle dynamics analysis of airport baggage truck and trailers Baggage trucks at airports are connected to trailers in orde... what does the chart mean. Q4. The graph below represents a lemonade recipe. What is the constant of proportionality the graph? cups of lemon juice Fin cups of water Suppose now the two-factor APT is correct. Suppose two well-diversified portfolios A and B with betas on the two factors given by [3,4,1 2 1, 5,4,2 2 12,5551 2 .8, and 53,2 2 .96. Suppose E(TA) = 8% ... How long will it take money to double itself if invested at the rate of 8% compounded semiannually? Remaining Select the correct loops to simplify the given function in PCS jproduct of sums) form: Never Ic select loops that wrap around the edges of the table, you must select both sections that exten... ¿La figura geométrica denominada parábola, me podría ayudar en definir algún proceso de compra o de venta? Explique. I The observation that 10 E 1 mod 9 is the basis for the procedure of 'casting out nines'. The method is as follows. Given an integer X written in base 10 (as is usual), compute the sum of the dig... Please provide Handwritten answer. Consider a vibrating bridge whose displacement as a function of time follows the equation y(t) = c1 sin(wt) + c2 cos(wt). Time 1,2,3,4,5,6,7 Displacement -0.0966789,... math plus help. 4. For the three-part question that follows, provide your answer to each question in the given workspace. I each part of your response as Part A, Part B, and Part C. Part A: In the equ... The New York Times reports that Wal- Mart has decided to challenge Netflix and enter the online DVD- by- mail market. Because of economies of scale, Wal- Mart has a slight cost advantage relative to N... A student has to select one and only one electives in each semester and same elective should not be selected in different semesters. The expected grades in each subject if selected in selected in di... I need help. A website sells custom messenger bags in 5 sizes. For each size, there are 53 color/fabric combinations. Any of these 53 can be chosen for the left, center, and rig panel. In addition, th... i need the answer. Question 5 (4 points) A rectangular piece of wall board with two holes cut out for heating ducts is shown. The remaining area needs one coat of paint. If a gallon of paint covers 40... When she turned 25, Rachael purchased 135 shares of Stock A for $55 er share; 37 shares of Stock B for $33 per share; 37 shares of Stock C or $54 per share; and 145 shares of Stock D for $22 per share... When making a batch oforange juice for her basketball team, Jackie used 5 times as much water as concentrate. There were 32 more cups of water than concentrate. plz see . Suppose that g : [0, 1] x [0, 1] – R is a continuous function. Prove that the integral operator K : C([0, 1]) – C([0, 1]) defined by K f (2) = g(x, y)f(y)dy is compact. You plan to purchase a house for $375,000 and you will make a 20% down payment. You are evaluating two mortgages a 30-year fixed mortgage at 2.67% and a 15-year fixed mortgage at 2.05%. Your goa... Answer the following questions A pizzeria lowers the price of its most popular takeaway pizza, the Margherita, from $5 to $4.50 and finds that the weekly quantity demanded of the pizzas goes up fro... Background: In this activity you will use simple materials to model an important and frequently used biological field technique known as "mark and recapture." This technique is used to estimate th... 30 55 (c) [worth 2 points] Determine the coefficient of r in (aty3+ 2y) 47. Solve the quadratic x 2 + x + 4 = 0 where x ∈ F 5 , F 5 ={0,1,2,3,4} Could you help me prove that this corollary is true? The IVP (initial value problem) is x' = f(t,x) such that x(t_0) = some number. I was given a hint that this corollary follows from thi... Three cousins were going to combine their money to buy Granny a gift. Tessa agreed to contribute double the amount that Jerry could contribute. Timmy said he would add $20 more than what Jerry contrib... Prove that, given A E Rxm and b E R", the following statements are equivalent: (i) There exists a y E RM such that Ay = b. (ii) For each z E R" such that A z = 0, we have b z = 0. You may us... (a)Let X be a probability density function defined by f (x) = x – 1,2,.., k 0, elsewhere (i) determine how to generate a random variate X. (3 Marks) (ii) generate random variate X, uniformly distribut... lest: MATH119 Test #2 Fall 2021 Question 2 of 15 This test: 50 point(s) possible This question: 4 point(s) possible Submit test Two debts, the first of $1900 due three months ago and the second of $13... Only answer (a) Thank you so much, I need this answer as soon as possible!. Upload your work for the following problem. Consider a life contingent annuity with the following present value random varia... round to the. Suppose someone wants to accumulate $50,000 for a colege fund over the next 15 years. Determine whether the following investment plans will allow the person to reach the goal Assume the ... The program could be python or R or whatever you choose. The professor did not give any example code. All the information is in the pics. Q4. Please read the syllabus defining the linear optimization ... In a data management class of 25 students, there are 8 with dark hair, 10 with glasses and 5 with dark hair and glasses. if a student is selected randomly, what is the probability that the student wil... The problems in this section will give some practice using power series to solve differential equations. 3. For each of the following differential equations: i. Seek power series solutions of the give... Suppose x has a distribution with a mean of 90 and a standard deviation of 36. Random samples of size n = 64 are drawn. LA USE SALT (a) Describe the x distribution and compute the mean and standard de... Joan has savings of $12,000 on June 1. Since she may need some of the savings during the next 3 months, she is considering two options at her bank. (1) An Investment Builder savings account earns a 2.... Please provide Handwritten answer of. * If mandn are positive integers, show that the number of multiples of in not exceeding n i [h/m] and Let p be a positive prime and na positive intiger, shart th... Paris has come to you because she needs help paying off her credit card bills. Her statement at the beginning of month 1 shows the following balances: Credit Card Balance Monthly Rate Saks Fifth Avenu... Expand each expression using the compound angle formulas. (2 marks) a) cosi b) sin & ave repeat offinders. Alice is a sdal ouille whose job is to counsel people on parole. Let us say success means a IA USE SALT ing from to the P() P() P(4) (b) Make a histograme for the probably dinto ... can I have steps. 3.4 Consider the table below showing recruitment by gender at a new high school. Department Gender Total Males Females Mathematics Science HOAN Operations Humanities Total 15 13 28 W... Determine a quadratic spline s that interpolates the data f(0)=0, f(1)=1, f(2)=2 and satisfies S'(0)=2 Use technology to find the correlation coefficient for each pair .compare your results with those obtained by intitution help explain pls. 3) (4 points each) Find the following sums: a) 1+3+5+7+...+513 b) 1+2+3+4+...+7,000 c) 700 + 701+ 702 +...+ 7,000 The mean diameter of a ball bearing produced by a certain manufacturer is 0.80 cm with a standard deviation of 0.06 cm. A sample of 36 ball bearings is randomly selected from a production run. Suppose... Solve by Elimination/Addition (−2x−6y=20) (−3x−9y=33) (b) The policy makers pursue a fiscal policy. Assume that the marginal propensity to sume is 0.8 and the value of the recessionary gap is $300 billion. (i) If the government changes its spending witho... Yankee Construction agreed to lease payments of $762.79 on construction equipment to be made at the end of each month for six years. Financing is at 15% compounded monthly. b) If, due to delays, th... Can you please show the steps as well. (d). Use an appropriate technique to find the derivative of the following functions: V4+3x- (1) +11 1+ sec y Question 4 (a) Compute the Fourier series representation of: f (x) = -5x, – 2<x<2 (9 marks) (b) Hence or otherwise, solve the heat conduction problem along a 2-meter rod described by: aTxx = T, ... Define the random variable N = min{n: -1X/ > 4} as the smallest number of standard uniform random samples whose sum is greater than four. please help with 5a . 5. Let o(s) be a unit speed curve in 3-space with nowhere zero curvature K. so we can define the torsion r and the Serret frame t, n, b as usual. We parametriza the tangential d... Use below reference: 9. Describe an instructional/learning activity in which students toss a plastic cup to estimate the probability that it will fall right side up, the probability that it will fall ... Sir i am stuck for this question only part 3:. Part 2. (Up to 4 points) Explain in your own words what each parameter A, B, w, and is in the sinusoidal model: f(t) = Asin(wt – $) + B – Your descript... A worker placed white tiles around black tiles in the pattern shown in the three figures below. a) Based on this pattern, how many white tiles would be needed for 4 black tiles? b) Based on this patte... . (b) Consider the integral I = e -(rite,+ +IN) de dx2 . . . dIN First show that I = 7 /2. Now one can formally transform the volume element de dr2 . . . dex to N-dimensional spherical (hyper-spheri... . A periodic function is defined by -1, – 7 <x<0 f (x) = and f(x) = f(x+2x). 1, 0 <X < (a) Sketch the graph of f(x) for x=-3x to x = 3x. (b) Find the Fourier series expansion of f(... Solve the following problem.. Use a combinatorial reasoning to evaluate _ (190 100) (200) (300) where the sum is over all non-negative integers r, s, t such that r + s + t = 100. (a) Consider the table below of data on the velocity of an object moving in a straight line. Use a numerical method to arrive at the best estimate you can for the acceleration at t=4 min. (Includ... . What is the difference between string and variable?A string is a text value while variable is the container to store any kind of values like string, float,boolean,integer etc. Assume that you must estimate the reach and frequency of competitor X , who spends $8,500,000 a year . All that you know about X is that: the company allocates 50% of budget in prime-time TV, 25% ... Question 9 of 20 Two payments of $12,000 and $7,600 are due in 1 year and 2 years, respectively. Calculate the two equal payments that would replace these payments, made in 9 months and in 4 years if ... Prepare a table to list the thermodynamic properties (temperature, pres Determine a general equation for each polynomial function of the form y = a (x – x 1)(x – x 2)...(x – x n) a) f (x)= f (x) = c) f (x) = f (x) = d) f (x) = f) f (x) =?... What would be the value of lim (x → c) f(x) if f is unbounded on N(c) refer to image for question. 10. [-/2 Points] DETAILS HARMATHAP12 5.3.045. MY NOTES PRACTICE ANOTHER If $8,000 is invested at 9% per year compounded monthly, the future value S at any time t (in month... Using the text, page 174, question # 9, complete the problem: (7th-grade classroom) A store is having a sale on several items of clothing. Jeans that originally cost $28.99 are marked down 20%. Sw... Hi, I am in difficulty when I kept trying to do these questions. Could you give me a help to solve this question? Thank you so much. Q0 O3. If a<=b and b<=c, then a<=c O5. If a<=b and 0<... A particle P moves along a straight line. At time / seconds, the velocity vms ! of P is modelled as 1= 101-17 -k 120 where k is a constant. (a) Find the acceleration of P at time / seconds. (2) The... 0 Question 7 ' < > B 0/10 pts '0 100 G Details Find the distance in between the point P(0, — 1, 4) and the point Q(1, — 3, — 1). i would like to know the steps to this question. A 4 it's a mathematics module. On a coordinate plane, sketch a quadrilateral object by plotting and connecting coordinate points A (-5, -1); B (-1, -2); C (-2, -5) and D (-6, -4). 3.1 Reflect the object v... A 4 kg cat is receiving IV fluids at a rate of 6 ml/hr. The fluid has been running for 6hrs and 25 mins. How many ml has the cat received? 6. If a practice has 650 cats registered, 1250 dogs, 312 s... business mathematics. Equivalent Fractions are obtained by changing both the terms and value of the fractions O True False A doormat is 3 feet by 2, feet What is the area of the doormat? 2 – ft 3 ft Two boats, A and B, are observed from an origin O. Relative to O, their position vectors at time t hours after mid day are given by Find the minimum distance between the two boats. mathematics question. 5 Dalam satu cksperimen yang dijalankan di makmal, suatu zarah X dilihat bergerak seragam secara menegak dalam bentuk bulatan. Jadual 5 di bawah menujukkan ketinggian zarah terse... I dont understand this. Amy was looking at a table of conversions from meters to kilometers. The table showed that 2 kilometers are equivalent to 2,000 meters. How can she determine how many kilometer... Solve. In circle O, PA and PB are tangent segments from point P. A OO P B 1. If OA = 6 cm and PA – 8 cm, find OP. 2. If OP = 13 cm and PA =12 cm, find OA. Consider the 3-stage explicit Runge-Kutta method given by the following Butcher-tableau 0 1/ 3 1/3 2/3 -1/3 1 1 -1 1 1/8 3/8 3/8 1/8 Express this method, called the 3/8 rule of Kutta, according to ... Approximate graphically the radius and height of a cylindrical container with volume 60 cubic inches and lateral surface area 75 square inches. Volume of a cylinder = arch Lateral area of a cylinder =... Jabsujzbsisbxusbwbzusnzgisangsisnauwijwnabais jaabiabsh usbaiajab iababsb Please provide Handwritten answer. 23. Show that the determinant of the tensor T can be expressed as follows det (T) = Str(T3) – 21ptr(T2) + =(17)3 where I = tr (T) = T is the first invariant of T. ... Please provide the solution for this question. 15.2. Show that a 2-message key-agreement protocol exists if and only if CPA-secure public-key encryption exists. In other words, show how to construct a... please help with 9.40 and 9.42 thank you. U are orthogonal families of curves. 9.40. Show that the -parameter curves on the surface x = (r coso)e, + (r sin)e, + /()e, are parallel. 9.41. Show that th... Problem 1 A kind of British tea is manufactured with an impurity probability density function of x, O < x1 f (x) = 1 2 – x, 1 < x52 0, othersise (a) Sketch the PDF. (b) Determine the mean. (c) D... . (i) has a unique optimal solution ii) has two corners that are optimal iii Is unbounded. (b) Define a c vector such that this LP . Problem 2: Find the inverse Laplace transforms of S (a) s2+4s-5 Search documents and file names for text 1 (b) 53 +s Twenty-two coins consisting of nickels, dimes, and quarters are collected from a newspaper vending machine. The total value of the coins is $2.55 and there are 4 more dimes than quarters. Find the num... Just wanna know if I did these correct. Exponential growth of certain types of infections can be modeled by the equation N (t) = No(b)P, where N (t) is the number of infected mosquitoes at a certain t... Present Value Formula Achieve a million dollars in 30 years at 6% interest compounded continuously Given f(x) = x – 3x' – 3x' + 11x – 6 a) List all possible rational zeros of the given function (3pts) b) Use Descartes' Rule of Signs to determine the possible number of positive and negative rea z... For each of the following cases, either explain why the case cannot occur or give an example to show how it can. a. Two negative numbers whose product is greater than both numbers b. Two negative n... TRY Solve the system of the equation is AB where A is the free term: matrix of the system and B is column free. A= ; B= A ; B SYTEM OF LINER EUQATION. ; B= A= ; B=. 1 1. -21 2. 1. 2 17 ... Donna is looking for the best deal on a designer handbag that has a wholesale price of $499. Help her compare the price of the handbag in different situations by completing the following. (a) Donna ca... Find the maximum and minimum values of the given objective function of a linear programming problem. The figure illustrates the graph of the feasible points. (0,61 (5,6) z=4x + 3y (0,3) (5,2) (4,0) Th... I want some direction or ideas. Literature review. Read at least 3 papers on a particular geometry or solid modeling topic. Write a small report that compare and contrast different algorithmic approac... You contribute $2,800 to an account at the end of every 6 months. What is the value in your account after 13.5 years if the interest rate is 2.3% compounded semi-annually? 2. ... What is the value of "a" that would create a system of equations with no solution? Please and thank you! :). 6 1 point In the system of equations below, a is a constant. What is the value -3x + y= 6 a... Sir, i am stuck on this question need step by step calculations For my combinatorics class – please include explanation! . 5. (3 points) Consider the following LP: max (1, -1, 2, 3, 0)x s.t. 51 3 1 2 2 1 1 3 2 x > 0. Each of the following is not a basic feasib... Solve this problem with a calculator using the argumented matrix. 4) (20 points) Solve. (see Illustrations, # 4) A company produces three models of MP3 players, models A, B, and C. Each model A machin... Augmented Lagrangian methods rely on existence of a finite penalty parameter p such that the Hessian of the augmented Lagrangian, m V2 LA(, A, P) = H(x) – > XiHi(x) + pJ(x) T J(x), i=1 is positive ... dataset link: . Use the USDA grain barge rate data. One shorthand in the barge freight industry is that the mi... 9 years ago Mary purchased shares in a certain mutual fund at Net Asset Value (NAV) of $74. She reinvested her dividends into the fund, and today she has 8.6% more shares than when she started. If the... Express the following mathematical statements into symbols: 1. a. Four more than twice a certain number x. b. Three less than twice a certain number x. 2. a. The sum of two numbers is 50. b. The ... Evaluate the following expression. [(11 + 37) +8-3 x2 Please and thank you!. Hattie had $4800 to invest and wants to earn 3% interest per year. She will put some of the money into an account that earns 2.3% per year and the rest into an account that earn... I need help. Find the future value of each annuity due. Then determine how much of this value is from contributions and how much is from interest. Payments of $340 made at the beginning of each quarte... plz solve it. solve by completing sQuate 62 – 20 + 1 (4 points} A perfect number is defined as a positive integer that's equal to the sum of its proper divisors (Le.5 its positive divisors excluding itself}. For example5 28 is a perfect number bec... Compute the effective annual rate of interest for 9% compounded monthly. Select one: a. 18.1% b. 9.4% c. 10.9% d. 0.75% Let Sn (R) = {Z E Mat, (R) : Z = Z"} and On(R) = {X E Math (R) : X" X = In}, where In denotes the n x n identity matrix. Note that Math (R) is an R-vector space of dimension n' and Sn(R) C M... Could someone help with explaining this problem please?. Look at the figure below. Notice the semicircle on the left, and the adjacent right triangle. 8 4 1. What is the measure of each of the two leg... MTH 116 W02 Quiz: Quiz 9: Percent (4.3 – 4.4) Question 9 of 12 This quiz: 12 point(s) possible This question: 1 point(s) pos The BiltWell Construction Company has submitted a bid on construction of a ... please help . Select the correct IODDE to simplify the given function in P03 {product of sums} term: Note: To select leaps th at wrap around the edges of the table, you must select both sections that... Please answer all parts to this question. I am using it to study! I will UPVOTE!. 3. In order to show that both sets P(N) and F(N, {0, 1}) have the same infinite cardinal, 2*0, we shall construct a b... Let R be endoved with the standard metric induced by the absolute value. Show that any open interval of R is a union of a countable family of closed sets. Mrs. Adams receives Cleocin 150mg po q6H for her upper respiratory tract infection. Cleocin is supplied in 75mg capsules. How many capsules will the nurse administer per dose? 2. A patient receives... Give an example of an open cover of (0, 1) which admits no finite subcover. Give an example of an infinite open cover of (0, 1) that does admit a finite subcover. All of question 5. h) The weights you calculated in steps (f) and (g) give you the optimal portfolio. What is the risk premium of this portfolio? What is the variance of this portfolio? [Hint: see ste... Discreate Math Plz write solution in print not in cursive. Thanks . 15 3. (a) Is it possible to have a 4-regular graph with 15 vertices? If no, explain why. If yes, construct such a graph. (b) The de... I would like to know if am correct. 2. In a class of 80 students, 50 students know English, 55 know French and 46 know German language. 37 students know English and French, 28 students know French and... Can you please answer this for our research please thank you and god bless!!! Title: THE APPLICATION OF RECIPROCAL TEACHING ON TUTORING PROGRAM IN GENERAL MATHEMATICS only rationale of the study At the time of her grandson's birth, a grandmother deposits $5000 in an account that pays 4% compounded monthly. What will be the value of the account at the child's twenty-first birthday, assuming th... Find the general solution to the following differential equations using the method of variation of parameters. Hint. These matrices should look familiar, and since d(t) = exp(A(t – to)), then D-1(t... Petra can run 100 meters in 13 seconds, especially when she is running away from her mom Magda. How fast is that in miles per hour? Of course, you must show work for full credit. hi can you help me solve these . What is the degree of the 1 point following polynomial function? f(x) = -2×2 + 3×4 – x+ 2×5 – 3×3 O 2 O 3 O 4 O 5. The equation of a quartic 1 point function f(x) wi... MTH 116 WO2 Quiz: Quiz 9: Percent (4.3 – 4.4) Question 11 of 12 This quiz: 12 point(s) This question: 1 point The allowable shear stress of a weld is 35% of the nominal tensile strength of the weld me... college mathematics. 22 9 First, rewrite and so that they have a common denominator. 25 10 22 9 Then, use <, =, or > to order and 25 10 22 0<0 0>0 0=0 25 10 X ? Continue For each fraction, write an equivalent fraction with the given denominator. a. NH 12 Which digit goes in the empty box? O 2 0 4 0 6 0 8 Supposing Mang Juan owned a half hectare of land and he plan to plant mango in his whole area. How many seedlings of mango he need to plant in his ½ hectare? Given: Area: length 100m x width 50m Plan... Find the periodic cubic spline sp(x) passing through the 3 points (x,, y,) given by (0, 3), (2, 1), and (3, 2). Then evaluate sp(1). 5) (6 points) Prove that adding (-4) is the same as subtracting 4 with the chip model and an explanation. Find the nth term of the arithmetic sequence given the following given: al-5 d=5 a. 25th term is 115 b. 25th term is 125 n=25 c. 25th term is 120 d. 25th term is 130. Please provide Handwritten answer. (d) Consider the following function: S(t) = 1 te(iwty)t 1 + (-inty)t (2) where 4, w and y are real numbers. What is f*(() + S ()? prove the vector identity. 1. Prove the vector identity, (A x B) . (A x B) = (|A| |B)2 – (A . B)2 If a roll of a certain kind of wrapping paper is unrolled, the wrapping paper forms a rectangle that is 3 feet wide and 20 feet long. The wrapping paper is to be covered with an array of ladybugs ... (e) In how many ways can 10 non-attacking castles be placed symmetrically about the diagonal on a 10 x 10 board. Castles are non-attacking if no pair is on the same row or column. In a symmetric arran... If you conducting a test for statistical study and you got outcome with the likelihood of 0.005. Please evaluate outcome. In an arithmetic sequence, the first term is -2, the fourth term in 16, and the nth term is 11998. a) Find the common difference d b) Find the value of n If $49.52 was the initial price of shares for a company and $25.25 was the final value, what was the percent change in the price of the shares? Indicate a loss with a negative percent change. Note: Pl... EJERCICIO 1 La utilidad anual del Hospital del Norte de tamaño mediano (200 a 400), propiedad de Cruz Blanca, depende del número de pacientes admitidos () y del número de pacientes admitidos que se... Math Write an expression to show the average change in temperature of the city each week, simplify the expression using words. Question 4 (Essay Worth 10 points) (01.05 MC)The temperature of a city ch... The liquid contained within a finite closed right circular cylinder rotates about the axis z of the cylinder so as to have velocity field given by u = 0 x r where ? = 2z is the constant angular vel... Sylvia had planned a shopping trip to the United States so she bought US$700 from a bank when the exchange rate was C$1 = US$0.7821. Later, her trip to the US was cancelled, so she returned to the b... Consider the map shown in the figure. Allison wishes to walk along the streets from point A to point B. How many direct routes can Allison take? Use Polya's Problem-solving strategy. a. How ma... A market researcher was interested in gender differences in customer satisfaction with a particular restaurant. The researcher conducted an independent-samples t-test in order to find out if there a... The wholesale cost of a birdcage is $55. The original markup was 46% based on selling price. Find the final sale price (in $) after the following series of price changes: a markdown of 18% and a marku... A Ferris wheel has a 50-foot radius and the center of the Ferris wheel is 58 feet above the ground. The Ferris wheel rotates in the CCW direction at a constant angular speed of 3 radians per minute. J... Decide which loop structures are appropriate for the given scenarios. a. You have developed an application that will compute for the average of 10 even numbers in an array. b. You have designed an ... there are two parts to this question ok. Birth defects affect 1 in 32 babies born in a certain country each year. a) What is the probability that a baby born in this country will have a birth defect? ... Management of a small nautical base PETRI NETS MODELLING The goal is to show how this problem can be modeled using Petri nets . Feel free to use your own assumptions while modeling this . We want to m... Solve for x. 1.1 343x = 492x+3 1.2 log2 (5x – 2) + log1/2 (x + 3) = 0 1.3 x = log1/2(1/4) log1/4(1/8) log1/8(1/16) 2. If they exist, evaluate the limit and the derivati... how to convert 43a4 from base 16 to binary and show the result in 32 bits binary. My result is 100001110100100 also does it matter if it is a capital A or lower case ? thanks Show that if log. x = 0.3, find the value of log, xvx . Final answer to 2 decimal places Convert the given exponential function to the form indicated. Round all coefficients to four significant digits. f (t) = 2.7(1.007) t ; f (t) = Q 0 e kt f (t) = _____ make a flowchart In races like running and cycling. The race was traditionally started by a gun with man racers at the start line and it actually took seconds or even minutes for all of the racers t... 13.15 LAB: Output a linked list Write a recursive method called printLinkedList() that outputs the integer value of each node in a linked list. Method printLinkedList() has one parameter, the head nod... On the Huon peninsula of Papua New Guinea, a set of coral marine terraces grace the coastline. These are datable using U/Th methods and have yielded trustworthy dates back to several hundred thousand ... . In solving a system of linear equations (expressed in three variables, x, y, and z) by Cramer's method, the following determinant values are provided. Determine the value of y The system: ax + by ... given the equation or inequality described by each graph. These are the different graphs of equation and inequalities. line or the broken line separates the plane into two half planes which is the sha... Determine the indefinite integral for ∫ (log2 (5x+1))2 / (5x+1) dx, x ≥ 0 2. Determine the indefinite integral for ∫ 1/(ex + 1) dx 3. Determine the indefinite integral for f(x) = ∫ ... Create a fabric design inspired by the Mindanaoan indigenous culture and arts with an application of mathematical concepts. Make a short description of your design. Can you please verify my answers to the problem shown in the attached screenshot? To find an approximation to the minimimizer of the function f(x) = ex -2VI-1 on the interval [ao, bo] := [0.1, 1.4] give the 3 intervals [a1, bi], [a2, b2], [a3, b3] obtained by the golden section ... The total area of the pool and the walkway surrounding it, is 2×2 + 16x +30 squared metres. What are the dimensions of the whole swimming pool with the walkway? [2] (hint : factor the given area) How many boards 5 inches wide will it take to cover a floor 217 inches wide? The binary linear optimization problem inf{c x : Ax = b, x E {0, 1}"} can also be written as infc x X , X subject to Ax = b (1) x E {0, 1}n X = xx, where c E R", A E Rmx, and b E Rm. Note th... I need help please. Question 16 (4 points) Word Problem Question 4: (You have to submit an image of your FULL solution to the question in eConestoga -> Course Tools -> Assignments [Final Exam Su... 7 Which graph best represents -Sy = -6x + 15? A C B D X X (B, 0) – (a, 0). Solutions converge to one of these trajectories, depending on the initial conditions. See Figure 7.10. Explain the dynamics as t -> co in terms of the two traveling wave solutions.... pls provide with clear explanation. 5. Rate of Change A right circular conical vessel is being filled with green industrial waste at a rate of 100 cubic meters per second. How fast is the level rising... Topic: Relations and functions Question 1: Determine whether each of the functions below is onto, and/or one-to-one, prove your answers. f : Z→Z, f(x) = x−1 f : R→R, f(x) = −3x 2 + 7 Questi... In how many different ways can three distinct horses finish the race, if all sorts of ties are allowed to happen? I would like to know the total displacement in two scenarios: S1: If I drive 2 km east and then 1km north. S2: If I drive 2 km east and then 1km northeast. The average monthly temperatures in Windsor, Ontario, are represented in the following table. The data is periodic. Month Jan. Feb. Mar. Apr. May June July Aug. Sep. Oct. Nov. Dec. Average Monthly ... Equation 1 is a differential equation in terms of the differential rate of change (dv/dt). It's a model that relates the acceleration of a falling object to the forces acting on it. dv dt = g − Cd m... Question Gail scores an average of 112 points in a game of bowling, and her points in a game of bowling are normally distributed. Suppose Gail scores 180 points in a game, and this value has a z-score... At an awards ceremony, nine women and eight men are each to receive an award and are to be presented with their award one at a time. Two of the awards are to be first given to two of the women, an... Problem 1 (10 Points) Part a) Find the general solution of y" + 2y' + y = 0. Part b) Find the solution of y" – 6y' + 5y = 0, y(0) = 3 and y'(0) = 11. bus liner charges 10 pesos for the first 2 kilometers and an additional of 2.50 for every succeeding kilometers . how much will you pay if you traveled 8 kilometers ? Can you teach me how to do this?. Question 2 of 6 A bond that has a face value of $2,500 and coupon rate of 3.40% payable semi-annually was redeemable on July 1, 2021. Calculate the purchase price ... 2 The effect of scale (range) and normalization of random variables in Hoeffding's inequality (10 points) Prove that Corollary 2.5 in Yevgeny's lecture notes (simplified Hoeffding's in- equality for r... please help me. On your own paper, perform the subtraction problem in Mayan showing all steps. Take a picture of your work and upload it. Question Help: Message instructor Question 6 0/1 pt 9 3 99 0 D... Please provide Handwritten answer.. C – Tank A B C = 50 gallons salt water mixture – Each 10 gallery initially – All at a rate of r. Let XACJ, ABC+) 1KC (t) represent Salt in each tank at time + r =... QUESTION 2 4 points Save Answer Re write the following drug concentrations in mg/ml format. Make sure to reduce to the lowest denominator. Don't forget to SHOW YOUR WORK for credit! a. 5% b. 0.1% c. 3... Just Exercise B. Exercise B. Look at the bifurcation diagram of the lac operon on p. 159. Draw the phase portraits for the two bifurcations (ie. for the two values of r for which a bifurcation occurs)... Binomial Theorem Extra Credit: Problem 3 (1 point) What is the coeffici... please help this IDK what do to . Select the correct loops to simplify the given function in SOP (sum of products) form: Note: To select loops that wrap around the edges of the table, you must select... Given the differential equation y ' = x+2 and y(0)=3. Find an approximation for y(1) by using Euler's method with two equal steps. Sketch your solution Solve the following systems only by substitution. Write the points of intersections. (6 marks) a. 2x = y+7 x-y =-1 b. -3x + y = 12 15x + 3y = 12 Discuss the concept of "conservation of area" (see page 182) and how this construct can help students understand the overall concept of measuring area. . 182 So, we see mat we can compute the area... Problem 1. A set D C X is called dense in a metric space (X, d) if its closure D = X. (a) Show D is dense if and only if every open ball B(r, r) with re X and r > 0 contains a point of D. (b) If (V... Informacion USA Concierge Botones CANADA Bell Boy Vicio Cuartos Room Service Servicia Medico Medical Service A forest hoo a 150 trees from the large number of forest are selected tall trees, of random... Three students share a townhouse find that their electric bill for October is 4.91 less than the September bill. The total of both bills 183.19 and each bill is split evenly. How much did each owe i... [-/1 Points] DETAILS SCALCET9 6.3.015. Use the method of cylindrical shells to find the volume of the solid obtained by rotating the region bounded by the given curves about the x-axis. xy = 2, X =... convex please explain the solution:. Question 2: Consider the problem: min [(31 — 0.5)2 + ($2 + 0.5)2] subject to 43:1 + 23:2 5 0, (1) 1131 +1132 2 1: {132 Z 0. Q2.a Describe the tangent cone to the... (a) Show that the Gauss-Seidel method for solving a linear system Ax = b is a fixed point splitting method x = g(x), g(x = M-1(b+ Na) with split matrices M = D + AL and N = -Au, where D is a diagon... business mathematics. Bernal receives a yearly salary of $43 875.00. She is paid bi-weekly and her regular workweek is 37.5 hours. What is the hourly rate of pay? On March 1, the Zwick Balloon Company signed a $5500 note with simple interest of 115% for 210 days. The company made payments of $1750 on May 1 and $2350 on July 1. How much will the company owe on t... Please answer all parts to the question below. I will Upvote!. 1. Prove the following inequality between the harmonic and geometric means 2 V for any r, y > 0. Exercise 3 (25 marks = 10 + 10 + 5). (a) Consider the following 2-dimensional polyhedron (which in this case is a square) defined by four linear inequalities: Add a single quadratic equation f(x) = 0 ... Case study in Operations Research Course: Assigning Umpire Crews In addition to assigning schedules for each team, the American League must determine the best way to assign the umpire crews to various... Hi can you help me solve these questions. PROBLEM 2 Solve for the unknown in the following triangle using the appropriate law. 257 18 40 d. PROBLEM 1 A geological company would like to take a sample o... A discrete 5-year decreasing annuity-immediate is issued to (90). You are given that (a) Define the present value random variable Y. (b) Find a92.5:2| under UDD. (c) Find the variance of Y. (d) Find t... Need help with step by step solution. Math 121 2. (19 pts) Use truth table to show the equivalence. p->(q->r)= (p~r) -> q Sir i am stuck for this question . 3. By using the definition of the partial derivate calculate, in the specified points, the partial order I derivatives for the following functions: a) f(x, y) = In(... (30 points) An alternating tensor alan = Elian) in n dimensions is a maximal-rank, totally anti-symmetric tensor with all contravariant indices. (An n-form has covariant indices.) a. Let caj–.an b... iudjehejebubx. S10. Dalam rajah, HNP dan LHT ialah garis lurus. Nilai bagi x + y ialah * F G 100 20 V X 50 H V60 N P T 3.2. A vector field Q is defined as Q = 3x (y + z) +y' +zli+ 3y (z+ x) +z'+ x'\j + [327 (x + y) + x3 + y3] k. Show that Q is a conservative field, construct its potential function and hence evaluate... mylearningspa My Profile – Zoom Remote Desktop Web Client Lab 4 – MA-102-Lab . [6 marks] The following equation can be used to model Canada's population (in millions) since 1950 (i.e., t = 0). The Mal... Please review all numbers. Complete the following table given this information: (Do not round intermediate calculations.) Cost of machine $ 95,800 macrsJPG (1338×770) X + O Residual value $ 4,300 Usef... Test: Test #2 Question 1 of 13 This test: 30 pointfel possible question: 3 points) possible The Canada Pension Plan premium deducted from an employee's wages was $58.02, If the premium rate is 7.34% o... (2) [~Royden 10.3.30] For which α ∈ R is the function f(x) = αx(1 − x) a contraction of [0, 1]? You

functions g (I) make (go f) (x) = p (x) true. O g(x) = 23 – 2: +5 O g(x) = 23 + 2: +5 O g(x) = 23 -2x – 5 O g(x) = x’ + 2… Sir, i am stuck on this question need step by step calculations i need it complete . A An equilateral 16-sided figure APA'() …… is formed when the squire ABCD is poised 45" crocswing abou… 0 Question 2 v < > £4 0/10 pts ‘0 100 (D Details Find the vector equation that represents the curve of intersection of the cylinder 2:2 + y2 = 1 and the surface 2 = m + 2y. Write the equation s… Please if you can help show how to approach the problem that would be great. Please can you show how the proof is done and how we can do the other steps.. (I) Prove that if A E Rox" non-singul… Question 1: Maximize P= 20x + 75y Subject to x+2y <= 16 x,y => 0 Find maximum value of P Question 2: Maximum the objective function R, subject to given constraints. R= 6x+9y x +4y <= 4 x =>… 3 . The random variable X is normally distributed write down P (x 7 107) with a mean of 100. The following diagram Find P (100 < X < 107) shows the normal sure for X. ( ) Find P (93< … the solution to this question is present on coursehero but it is not very comprehensive, please provide a thorough solution. Please include some references or links to concepts if possible Thanks. Que… ANSWERS: Let x, y, z E [-7, 7], tspan = 0 : 0.5 : 4, n = 16, and parameters A; = -1 and B; = -Aj, with initial conditions (x, y, z) = cos(x) cos(y) cos(z) (2) write out the solution of your numerical … ADVMATH5:41 (/ 9) Let a, b, c be real numbers. Consider the quadratic equation in cosr : a cos-x + boose + c = 0. Using the numbers a, b, c, form a quadratic equation in cos 2x, whose roots are the s… To find an approximation to the minimimizer of the function f (z) = ez -2VI-1 apply two steps of the method of steepest descent starting from the point To = 0.75, i.e., give $1 and 12. Machine Trades A bearing journal measures 1.996 in. If the standard readings are in 32-in. units, what is its probable standard size as a fraction? Alex is making muffins and has sticks of butter. Each batch of muffins will take Stick of butter. How many batches of muffins can he make? Please type answer as handwritten is oft illeigble and confusing 1.Use row reduction to find the inverses of the given matrices if they exist, and check your answers by multiplication. Question 13 2.86 pts Automobiles traveling on a road with a posted speed limit of 65 miles per hour are checked for speed by a state police radar system. The following is a frequency distribution of s… Please help explain clearly. recall that a nonlinear program takes the form min f(x s.t. gi(x) <0, ic {1, …, m} , for some functions f, 91, . .,Jm : R" -> R. Now, consider the following … The method of tree-ring dating gave the following years A.D. for an archaeological excavation site. Assume that the population of x values has an approximately normal distribution. 1,215 1,187 1,208 1… Find the standard form of the equation of the circle that passes through (0,1) and concentric with the circle centered at (2,1) and radius 3. 2. Find the equation of the circle with the center at… (Calculus 1) evaluate the following integrals. 2 S x x sin – COS dx N N Application 8. The Rock-Climbing Club was selling t-shirts ad gloves to raise money for new equipment. One person sold 20 t-shirts and 15 pairs of gloves and collected $360. Another person sold 8 t-sh… For the function f(x, y) = va + y, plot the contour lines for f(x, y) = 0, f(x, y) = 1 and f(x, y) = -1 on the same graph. (Suggestion: You may try to use the GeoGebra applet Contour Lines (HKU Por… A theory predicts that the relative frequencies of various personality traits in the general population are .50 for Type A personality, .25 for Type B and .25 for Type C. To investigate this theory, a… A robot is standing at position (0,0) on a 2D grid. When the robot makes a move, it can move either: one “step” up (i.e. increases the y-coordinate by one) one “step” diagonally (i.e. increases the x-… pls help to answer. 3. To graduate, Lisa needs at least a B in Mathematics. She did not do very well on her first three tests; however, she did well on the last four. Here are her scores: 58 67 60 84 … find the cauchy principal value of the following Integral. 2. (Problem 9.25) Find the principal value of the integral, sin x (x2 + 9) (x – 2) de. (Don’t forget that the residue theorem works slightly … Hard time, need help.. A manufacturer knows that their items have a normally distributed lifespan, with a mean of 9.4 years, and standard deviation of 0.6 years. If you randomly purchase one item, wha… This variable uses the independent variable because there are independent variables that affect the dependent variable Variable y = in this variable Y there is trust in the customer, so that before bu… Consider an extension to exercise 1.3. a larger initial investment is being considered, costing the firm $60M. However, this investment will ensure that 3-years of sales can be predicted at 2M, 3M and… Need help with this Game Theory problem related to Mixed Strategy & Extensive Form Game.. Question: Consider there is a factory with two workers. Suppose that in a month, their supervisor assigns … A voter who has a weight that is greater than or equal to the quota is called a dictator. In a weighted voting system, the dictator has all the power. A voter who is never a critical voter has no powe… Use the Newton-Raphson method to determine the real root of: f (x) = -1 + 5.5x – 4×2+ 0.5×3 using Xo = 0. Perform the computation until &a is less than &s = 0.5%. find the following squares by using the identities.. 672 5y 2 Question 3. (e) I have the answer but I’m not sure how to get this answer. Please show me the steps. . X* = 2 %%17 or * = 8 % 17 or X = 9% 17 or X’=15 %7 Send a chat. 4 Prove that for … . cubic inches J r= 1.23 323. 98 = 0.187 0. 19 f + 3 V= Tir2h 1728 b. cubic feet V= TY. 1.252. 66 V= 323.98in 3 V = 0. 19 ff 3 12. Marisa Raffaele wishes to plant a rose garden in her backyard. The ro… Lee Jenkins worked the following hours as a manager for a local Pizza Hut: 1734,614,514 and 512.1734,614,514 and 512. How many total hours did Lee wor… Please show all work!. Let X be a set and A, B, C C X. Prove the following: (a) (A-B)nc = (Anc) – (Bnc) (b) If A – B = A, then AnB = 0. Rico, Stefan and Tyler own The Lazy Yoga Company and share profits in the ratio 3 : 2 : 7, respectively. How much will each receive if the company earned a profit of $18,600 last month? How many types of Linear Programming Applications are there. This questions is relative to Quantitative Analysis for Management Scenario #3: The plant manager is preparing a presentation that includes the last three years of injuries which totaled 14. You have determined that in the past three years there 7 of the 14 were hand… Hello, I really need your help right now and I need you to provide correct answer and explain to this one as fast as you can. Thank you! (21-25). Solve the rational equation Marked out of 1 Y7 Flag … I’MT , yit * Pit I’M yit * bit x; *a; 3. Las restricciones del problema. 1. Satisfaction de la demanda del producto i en el periodo t yaSDa*u,*x….i=1 . ..P, t=1 . ..I 2. Maxima cantidad de tipos de … For the following pair of (a, b) , find god(a, b) and k , I so that god(a, b) = ka + | b :1) (a, b)= (98, 56), 2) (a, b) = (18, 45). nearest thousandth 6.565 Need Help? Read It 6. [-/1.15 Points] DETAILS LARMPMT1 7.1.026. 0/100 Submissions Used The finishing times (in seconds) of drivers in a quarter-mile drag race are shown below…. An oil well produces 172 gallons of oil every day. A standard oil barrel holds 42 gallons of oil. About how many barrels of oil will the well produce in one day. Explain your thinking. Provide an example of a scenario where the measures of central tendency are skewed as a result of outliers. I need help. Find the future value of the annuity due. Assume that interest is compounded annually. R = 14,000; i = 0.07; n =7 Which of the following formulas will calculate the future value of the an… (Calculus 1) Evaluate the following integral by using integration parts.. S (Inx)2 dx = x(In x)2 – 2x Inx + 2x + C. El proyecto X implica un nuevo tipo de ruedas para patines fabricadas a partir de compuestos de granito. Consideramos que las ventas serán 6,000 unidades por año a un precio de US$ 1,000 cada un… Evaluate dx, where 0 < a < 1 and a > 0, using the residue theorem. 0 (x + a) 3 (a) Show that, – = 5- 2V6 (b) Show that, x2 – 10x + 1 = 0 N (c) Find the value of * *+ 1 N * 2 (d) Find the value of Vx + (3.)x2 – V5x + 1 = 0 is an algebraic expression. (a) Find the value of x + 1. … Can you assist? I need help understanding.. Question 13 (2 points) Listen Salmon Company, a successful recruitment agency in Montreal, loaned $29,000 to one of its partners for 7 years. The intere… Please provide Handwritten answer. QUESTION 6 Make a probability distribution for the given set of events. The following table displays a frequency distribution of the number of siblings for students … What is an example of a linear question?. Hector responds "I guess the ER doc thought I might have PTSD or something like that.. I’m a vet, you know; National Guard. I signed up for the benefits,… What monthly payment is required to pay off a $40,000 loan in seven years if the interest rate is 6.5% compounded quarterly? use financial calculator D Question 8 1 pts Jeremy and Bill each have $54,632 to invest in a retirement account whose annual rate is 2.5% with monthly compounding. Jeremy invests his money all at once, whereas Bill decides to… Problem 12.7. Five women A, B, C, D and E are each willing to marry a subset of the men V, W, A: V. W X, Y and Z (chart on the right). Find a matching of the women to men they are willing to marry. B:… The lambda phage is a virus that infects the bacterium E. coli. When it infects a bacterium, the phage can go into one of two modes: one in which the virus immediately starts to replicate until the… Four student volunteers exercised on a treadmill for about 12 minutes until their heart rate reached 190 beats per minute. They stopped exercising and their heart rate was monitored as it returned to … can you make me understand this question? “Question 1: Let G = (V;E) be a planar graph with n vertices. Give a data structure that uses O(n) space and can be used to decide in O(1) time, for any two q… Using the information below develop a linear program to determine the best course of action for Draper Agricultural Enterprises using Excel. Draper Agricultural Enterprises operates 3 ranches in th… si i=8% calcule D en el siguiente diagrama de flujo Sir i am stuck for this question . 3 Points Total] Sketch the solutions of the differential equation y’ = (y -4)2(1 -3) isfying y(0) = 0.8, 1.2, 3.2, and 4.7. The graph of z = (y – 4)2(1 – y) is belo… What to Post Observe the above picture. You select a sample of individuals (players or audience) in that scenario. If you collected data from each person in that group, what variables would you colle… Consider the problem (Pi) : min | |x|1 s.t. Ax = b X Is this (constrained) optimization problem convex? If so, why? Question 3 (a) Evaluate the line integral of f(x, y, z) = x + y – z along the curve C: r(t) = ti + fj (0 <t< 1). (Marks: 18) (b) Prove the identity SS (fn) . vas = SSS Vf . v dv assuming that v … . Simplify the circuit output. NANDI D NANDI B Out XNORDO ANDI NOR? O Out = (AB)’ O Out = 1 O Out = 0 O Out = A+C’ O Out = A’C =Quiz: Quiz 9: Percent (4.3 – 4.4) Question 7 of 12 This quiz: 12 po This question: 1 The weight distribution of a vehicle specifies that the front wheels carry 57% of the weight. If a certain vehicle… Homework help, please. Q1. If A = (a ij) is a matrix of order 4 × 5 and a ij = -5 for all i and j , write down A . (Enter NONE in any unused answer blanks.) (It’s a picture so hopefully, y… Use Polya’s 4-step problem solving strategy in solving the following problems. 1. A student is taking a True or False test. In how many ways can the three questions be answered. A former student of mechanics wishes to weigh himself but has access only to a scale A with capacity limited to 400 N and a small 80 N spring dynamometer B. With the rig shown, he discovers that wh… 14 You have census data indicating how long families have lived in their current homes. The previous year, the average was 11.8 years. What test should you use to determine if the time has chan… $877 is shared between Brandon and Nicole. Brandon’s share is $199 less than Nicole’s. Calculate the amount of each of their shares. Let S be the subspace of P3 consisting of all polynomials p(x) such that p(0) = 0, and let T be the subspace of all polynomials q(x) such that q(1) = 0. Find bases for 1. S 2. T 3. S∩T Problem 6 {5 points}: Assume we are given an LP in the standard form, with A an m x 71 matrix: T min :3 :5 :nElR” subject to A: : It {5} r 23 0 Recall that, as we derived in class, the associate dua… A water tank is 5m tall and has a diameter of 3.5. Calculate the capacity of the tank. Use n=3.14 . Provide typical pre and post-training resting and maximal vallles 18 1 point Before doing the post-training test, David asks you how much do you expect his VO2max to have increased (%) after his 3 m… I don’t understand this question. Show all work for each question. 1. Evaluate. (9 marks) a) 273 b) 325 c) 83 d) 25 5 e) ($4) f) 250 g) 1.2837 h) (37 i) V28 k (x) = – 1 over 200 (x+0)^5 (x-5)^4 (x+4) the value of the leading coefficient b) the degree, (explain) c) the end behavior (explain why) d) the zeroes and their order (EXPLAIN) the va… Please help with the following, Thank you.. Two dice are rolled, 1 black and 1 white. How many rolls result in 7 or 11? For this problem (black 3, white 4) is different than (white 3, black 4).. How m… Please show how it is solved with all steps. Unit-2 Activity-7: AOL- Problem solving worksheet-Friction 1. A 20 kg box is being pulled across a floor by a horizontal rope. The tension in the rope is 9… Calculate the Future Value of Your Savings When savings are deposited in most bank accounts, they earn interest. The rate of interest that is paid, however, can vary widely, depending largely on the t… Sir i am stuck for this question . Let T (x) – AX, be a linear transformation T: IR – R. Which of the following statement is correct? Select one: O a dim(kernel of T) > dim(range of T’) O b. dim… Houston South Hospital is trying to improve its image by providing a positive experience for its patients and their relatives. Part of the “image” program involves providing tasty, inviting patient me… An explanation of what a normal distribution means, including its shape and features. Explain what it means when the normal distribution has a mean of 80 and a standard deviation of 14 that is a… Hypothesis Testing (Finally, Math!)1) Write out in words, or using math symbols, the null hypothesis for these statements: (a) More than 50% of the students in the STAT department take the bus to c… evaluate by requested method: newton-raphson. Newton-Raphson 5 sin- x – 8 cos* x = 0 en 0,5, 1,5] < = 1 x 10-0 Xi Xi+1 Ea(%) 0 0.5000000000 0.6934901476 10.86 1 0.6934901476 0.7013291121 0.053 2 … 2050 $ Need Help? Watch It 8. [-/1 Points] DETAILS TANAPCALCBR10 3.4.005.NVA MY NOTES ASK YOUR TEACHER PRACTICE ANOTHER Marginal Average Cost for Producing Desks Custom Office makes a line of executiv… Name : kaylee Galeana H.L Score : W Teacher : Date : 3 Minute Drill 7 COW X 4 X x 12 4 Wow X X X w VA X X x 12 OV ") 00 X X X DO CO X X WOO X COA W X X 4 x 12 X X WOO X WA x 3 COA X X 6 O Sir i am stuck for this question only part a. (a) Can you find three distinct positive real numbers (3,5, and c such that two of the three numbers v’a+ b,\/a+ c and x/b + c are equal? If you can,… Prove that any t-norm T and any t-conorm S is distributive with respect to V and A i.e., (x Vy)Tz = (xTz) V (yTz) (x A y)Tz = (xTz) A(yTz) (x Vy)Sz = (ISz) V (ySz) (x A y) Sz = (ISz) /(ySz) Refer to Problem 39. John procrastinates and does not make his first $1,000 deposit into an IRA until he is 36, but then he continues to deposit $1,000 each year until he is 65 (30 deposits in all).… 2x+ 1=6 2. Solve by substitution. Check your solution. [6 marks] 3x-2y=2 3a+b-4=0 3. Solve using elimination. Check your solution. [5 marks] 2a-10=3b Josh is the owner of a farm store. He mentioned his farm company, which had six stores in 2000, one day. How many stores did shops operate in 2006 if the annual rate of increase was 5%? college mathematics. For each value of y, determine whether it is a solution to -+7=13. 4 Is it a solution? X ? Yes No 4 12 O 0 O 24 O The table summarizes results from 983 pedestrian deaths that were caused by automobile accidents. Driver Pedestrian Intoxicated? Intoxicated? Yes No Yes 56 83 No 230 614 If one of the pedestrian death… This is a linear programming question.. Question 1 As part of the nation’s vaccination programme for children, all citizens below the age of six need to be vaccinated with a cocktail mixture of Vaccin… Prove or disprove the validity of the following statement: If the investment flow is I(t) = 5000t 1/4 calculate the capital formation from the end of the second year to halfway through the fifth year. Give your answer to the nearest whole number. The garibaldi is a large orange fish that lives off the coast of California and Baja Califor nia. Use the assumptions below to write a differential equation for the size of an adult garibaldi popul… Determine the length of XY. (4 marks) 5.5 cm 8.45 cm 53 X Communication. 1. In Triangle ABC, AB = 9 cm, AC = 14.34 cm and BC = 12.5 cm. Which law would you lose to determine angle A? (1 mark) 2. Gi… Question 3. (40 points} Phylogenetic trees can be built from non-genetic data, and in fact this was the only type of information available prior to the 1970’s, when DNA sequence became possible. Her… Reduce each of the following ratios to lowest terms. Show ALL work for FULL marks. a) 18 : 21 : 6 b) 3.2 : 11 : 6.8 c) 4 : 4/7 : 6 Reduce each of the following ratios to lowest terms. Show your work please a) 15 : 36 : 27 b) 2.5 : 6 : 7.5 c) 5 : 5/7 : 15 Directional Derivatives Similar to this: . 1. (7 pts) The heat stone (a lesser known infinity stone) is suspended at the point a = (6, 6, 6) in R3, and the cold stone (an even lesserer… Explain how to calculate 29 . 20 mentally by using 30 . 20. Write an equation that uses subtraction and the distributive property and that corresponds to your strategy. Without drawing all the deta… Question 5 10 pts The sound from a single source can reach point O by two different paths. One path is 20.3 m long and the second path is 22.1 m long. The sound destructively interferes at point O. Wh… what would be the answer?. [2 mks] 7. The mean for the height of five men is 153 cm. Find the fifth height, if four of the heights are 125 cm, 180 cm, 155 cm and 145 cm. [3 mks] Suppose that we would like to approximate R 1 0 f(x)dx by Q[f] = Z 1 0 P2(x)dx, (4) where P2(x) is the polynomial of degree at most two which interpolates f at 0, 1/2, and 1. (a) Write P2(x) in Lagran… If the aspect ratio of a chalkboard is 4:3 and the width is 5 in., what is the length of the chalkboard? Can you help me with part A. Question 3 of 9 Amy purchased a new printing machine and started a small printing shop. As per his calculations, to earn revenue of $5,500 per month, he needs to sell prin… Can you help me with this?. Question 8 of 11 A bank offers interest rates of 1.50% p.a. for 60-day GICs and 1.75% p.a. for 120-day GICs. Leonie was considering the following two investment options … this is for aerospace and aeronautical tutors. 24 Refer to the diagram in Figure 1. Illustration ‘B’ is representative of: Maximum Authorised All-Up Mass b) Empty Mass C) Zero Fuel Mass None of the ab… I wan to know how to Calculate the average (mean) dimensions of each object and record your calculated data in each Table with that calculate the volume of each object (V ± dV), where V is the me… Linearize f(x, y) = x + 2ry around To, yo. Linearize Ady(t) + B In(y(t)) – C = x(t) around (xo(t), yo(t)). Solve the differential equation A Gy(t) + By(t) = Cx(t) for y(t) when x(t) is a unit step inp… What is the list price of a product that is subject to discount of 3½%, 7%, 14% if the net price is $250? Overlay method. From the beam shown in the figure. Determine (i) the reactions in A and B; (ii) the slope from the midpoint of the beam; (iii) the deflection of the midpoint of the beam.. B 2m 3m 1m N… please solve it as much as you can . Q4. Support Vector Machine This question is about deriving the dual formulation of the constrained optimization problem of the Hard- margin S.V.M. Recall, given … Part 2 Part 3 Part 4 Part 5 Part 6 Part 7 Part 8 Part 9 Part 10 (Just a-f no letter e) Part 11. (1 point) (This problem is similar to workbook problem 1 of Global Extrema) Let f(x) = 23 – 21×2 + 14… The owner of a movie theater company used multiple regression analysis to predict gross revenue (y) as a function of television advertising (x 1) and newspaper advertising (x 2). The estimated r… Lee Holmes deposited $17,200 in a new savings account at 11% interest compounded semiannually. At the beginning of year 4, Lee deposits an additional $42,200 at 11% interest compounded semiannually. A… Hand-Calculate numerical values for y(x) and y'(x) at x = 1. I. Given: dy/dx = y'(x) = f(x,y) = 5 y1/3 – 2 x2 with initial conditions at X, = 0 , y(X) = 1 With Ax = h = 1 solve for y(x) at x = 1 (just… Sir, i am stuck on this question . Express the contrapositive of the given conditional in terms of a sufficient condition and a necessary condition. Knowing CPR is necessary for being a paramed… Joe makes $72,000 a year payable monthly. How much is taken for each check if he has to pay FICA med tax (1.45%), and FICA social security tax (6.2%) and he pays 15% of his income in federal tax, 8% i… One gram of soybean meal provides at least 2.5 units of vitamins and 5 calories. One gram of meat provides at least 4.5 units of vitamins and 3 calories. One gram of grain provides at least 5 units of… What is said to be the most basic pattern in nature? A. pattern of flow B. pattern of movement C. pattern of rhythm D. pattern of visuals Section 6.3 Diagonalization: Problem 8 (1 point) 3 -6 Let M = 3 12 Find formulas for the entries of M", where n is a positive integer. Mn = Find an example of a probability distribution in the news. Why was this presented? What decisions might it impact? short answer Please provide Handwritten answer. Let X; be chosen uniformly and independently from (0, 1) for i = 0. 1, 2, 3….. For each such a, define Yi = Xo . X . X2 . X Find the probability that there exists … lead to confusion because “x” is also used as a variable.instead we can use a dot(•)or a parenthesis( ) such as 5(n).. Remember: Addition and Multiplication are commutative. Commutative means that i… Please! :). Show Intro/ Instruct One 6-ounce can of soda has 135 calories. If Caleb drinks the big 9-ounce size from the local mini- mart, how many calories will he consume? calories Preview Points po… 1 (10 marks) Consider the PDE Uxx + 2uxy + Wyy = 0. (a) Determine the nature of the PDE and bring it to canonical form by applying a suitable variable transformation. (b) Hence obtain the general solu… VO ILO MPM2D Learning Activity Assessment of Lear 3. Solve the following system of equations using the method of substitution. (5 marks) 2x + 3y = 5 4x + y – 5 Hi, I want to ask how to solve this problem, thanks you!!!. Problem 10 (10 points). Whenever B can be derived from A by a combination of elementary row and column operations, we write A N B, and we sa… Write the number in scientific notation: 0.000 000 000 082 = To enter numbers in scientific notation, use the * for the times symbol and use the exponent symbol ^ (above the 6). For this problem, leav… A restaurant averaged 40 employees over the course of a year. What is the turnover rate for that restau- rant if it employed 112 employees over the course of the year but only has 36 employees on staf… Find the Laurent series for f (z) = 1 / (z 2 − 3 z + 2) in the annulus 1 < | z | < 2 A group of college students is planning a camping trip during the upcoming break. The group must hike several miles through the woods to get to the campsite, and anything that is needed on this trip m… Please! :). A private jet can fly 2040 miles against a 26-mph headwind in the same amount of time it can fly 2560 miles with a 26-mph tailwind. Find the speed of the jet. mph Previ Are a,b,c linear orders? Are a,b,c strict linear orders?. (b) (X, P), where X = Re x Re and (a, b) P(s, t) iff (a > s and b > t) (c) (X, Q), where X is a set of n-dimensional alternatives, f1, $… mathematics. Lim K – 16 K -7 4 J K – 4 Find dy if Solve the equation y = 2 n – 3n" -3 bre + 1 when dy 20 Blackboard X < > X U @ X . WEBCAM RECORDING Remaining Time: 1 hour, 50 minutes, 41 seconds. Question Completion Status: Question 33 1 points Save Answer [CLO-3] The figure below is a regular hex… A person is paid a retainer of $1234 per fortnight plus commission of 3.5% of all goods sold the previous fortnight. One fortnight the person was paid a total of $1868.40. what was the total value of … Hello I need help calculating my cumulative g.p.a , here is a actual picture of my grade. I need to know how lower will my Cumulative/term g.p a drop if I get a D in my last fall 201 class. SW 122 Hel… First, create 3 equations of the form , where a, b, c , and d are constants (integers between – 5 and 5). For example, . Perform row operations on your system to obtain a row-echelon form and… Help me answer the following question. . If Sis the sample space ofa random experiment and E is any event, the axioms of probability are: D PIS} = 1 O 05MB 0 For any two events E1, E; with E1 n E; = … Let F(x, y) = xy + 3×2 + 10. with x = s – t and y = 2st. Find the partial derivative of F with respect to s. For algebraic expressions enter variables in alphabetical order, do not include spaces and … Let H(n) be defined as follows: H(n)={0 n { 0 i f n ≤ 0 , 1 i f n = 1 o r n = 2 , H (n − 1) + H (n − 2) − H (2 n − 1 i f n > 2))) Prove that for every n ∈ N , n ⩾ 1 ?… solve it pls. Q10) Poles Apart purchased snowboards at a cost of $345 and marks them up by 35% of the selling price. The store’s overhead is 20% of the selling price. For its Annual Spring Sale, Poles… The following data were collected for the distance traveled versus time for a rocket. Use four decimal places in calculations. Time, S 25 5 75 100 125 Distance, km |0 32 58 78 92 100 Determine the vel… Find an orthogonal matrix P such that P-1 . A . P is diagonal and has as diagon elements the eigenvalues of A, where 3 -1 1 A = -1 5 -1 1 -1 3 Verify your conclusions. Please Answer This Question!. 32. The dean of Faculty of Engineering Technology, UTeM wants to install the solar panels on the top of Factory Four’s building in order to reduce the cost of monthly ele… Let A , B , and C be sets in a universal set U . We are given n (U) = 95, n (A) = 44, n (B) = 52, n (C) = 53, n (A ∩ B) = 27, n (A ∩ C) = 28, n (… Please provide clear and neat complete solutions step by step for for all (a, b, c, d)? I’ll give a good rating if the solutions are clear and complete! Thank You! Sir i am stuck for this question . 6) [15 Points Total] A savings account earns a 20% annual rate, compounded continuously, and $3 per year is withdrawn continuously. Let y(t) denote the value of the… D Question 5 10 pts Henry invited his friends over for a pizza party. Each pizza was divided into 8 slices. The line plot below represents the amount of pizza eaten by the boys at the party. What is t… Un pequeño proyectil se lanza desde el nivel del terreno con una rapidez inicial de 98 m/s . Encuentre los posibles ángulos de elevación que permite un alcance de 490 m . 1. Converting number representation in different bases (Calculate by HAND) 3.. Convert these numbers from base 10 to both base 3 and base 2: i. (190)10 ii. (1013)”) b. Convert these numbers from… Permintaan akan barang X ditunjukkan oleh persamaan Qd = -6 + 6Px . sementara itu permintaan akan barang Y ditunjukkan oleh persamaan Qdy = 9-3Py +4Px sedangkan penawarannya Qsy = 3 + 7Py,berapa harag… Application of quadratic equations. "Cure: 2090, 1 of 4 points Part 1 of 2 O Points: 0 of 1 aul has 520 yards of fencing to enclose a rectangular area. Find the dimensions of the rectangle that m… Please help me with this problem will be really appreciated… Q.6 (a) Prove that two consecutive search directions obtained in the steepest descent search algorithm are mutually orthogonal to each ot… 18) (6 points part a; 10 points part b) Convert the following numbers to the given bases: a) AOB sixteen to base 10 b) 2432 five to base 9 Homework 1. Are the following functions? 4 :-6 WORTH a b) d) 2. Are the following functions even, odd or neither? a) f(x) = 12x| b) f (x) = x+4 c) f(x) = (-x)2 d) f(x) = 4×5 + 3×3 3. Sketch a graph th… Please solve Problem 2! Thank you!. (f) Consider the iterative root-finding method given by 2f (Ik) f'(Xk) Ck+1 = Ck 2 (f' (Ik)) 2 – f(Ik) f" (Ik) Use To = 1 and perform three iterations usi… A person must pay $8 to play a certain game at the casino. Each player has a probability of 0. 18 of winning $14, for a net gain of $6 (the net gain is the amount won 14 minus the cost of playing 8). … subject functional analysis. THEOREM (1) Let M and N be the two Banach spaces and T :N -> M is a linear operator.Then T is a continuous iff G(T) is a closed subspace of NxM. THEOREM (2) Let M and N… Pregunta 1 (1 punto) 1.- Un distrito de riego recibe una dotacion de 10m3/s, en la entrada del distrito se tiene un canal de 2m de ancho y esta recubierto por la presencia de un salto hidraulico, agua… it had an anixture. ESTION 2 Mr P. Arendse is an employee at a large company. The abbreviated salary advice below shows his monthly income and deductions. . UIF is calculated at 1% of the gross salary… solve the problem. xy (h, 13) The variables x and y are related by the equation y = 3×2 – 9 A straight line obtained by plotting xy against x 3. Find the value of h and of q. Pemboleh ubah x dan y di… perform sensitivity analysis on the following model to get the sensitivity ranges of the cj values and bi values. Draw conclusions. Minimize: Z = 220×1 + 225×2 + 185×3 + 195 x4 + 125 x5 + 110 x6 s.t x… Find the length of side x and side y given that the triangles are similar. B 25 30 B’ 10 A 35 C A C’ X = (Simplify your answers.) Hi there!! I know this is a PDE Laplace equation and I think managed to solve part (a). I have tried to solve part (b) of the question below but I don’t know how to go about it. Here is what I have tr… Selling a product at a price equivalent to or below marginal cost is recommend for a short period in certain special circumstances, such as making subject of the formula. (d) For bar which is subjected to the force P in addition to an increase in AT temperature the total extension S,, is given by the formula: Inuphis lanipho or a OSS mulb… You just arrived to a hotel which has a weirdly complicated system of staircases. Each floor has three staircases going up: one goes up one floor, another staircase goes directly up two floors, a thir… Briefly explain what is the purpose of assessment in early grade? (Costo de una lata) Una lata cilíndrica tiene radio r y altura h. Si el material con que se produce tiene un costo de $2 por unidad de área, exprese el costo de la lata, C, como una función de … I need help getting these into scientific notation Please provide Handwritten answer.. Let R > 0. Show the the series z zn on C \ DR(0) uniformly n=0 n! converges to el/z , and use that to compute the following line integral: el / z dz, where y(t) … Create a One-Way ANOVA table for the following a. Zones of inhibition of various treatments against E. coli Treatment X – T1 = 15.4; T2 = 15.0 T3 = 14.8 Treatment Y – T1 = 11.0; T2 = 12.5 T3 = 12.8 P… Prove the following proposition: Let r, s, t ∈ R with rs = t . If t is a non-zero rational number and r is irrational, then s must be irrational. 3.7 Explain what is meant by a weakly (or second-order) stationary pro- cess, and define the ac.f p(k) for such a process. Show that p(k) = p(-k) and that |p(k) | < 1. Show that the ac.f of the st… Ben goes to the grocery store at a rate of 6 times a week. How many times would he be expected to go to the grocery store in 10 weeks? Translate to a times proportion: weeks weeks C = times in 10 week… Considere sistema de 3 ecuaciones lineales con 3 incognitos: 3x – y + 2z = 1 x + 3y + 2z = 1 , entonces se cumple que 2x – 4y + az = -2 O Ninguna de las otras respuestas es correcta. O Siempre tiene u… 13.Let U = {a, b, c, d, e, f, g} A = {a, e} B = {a, b, e, f, g} C = {b, f, g} D = {d, e} Determine the following: C c uD c a. The Empty Set b. {a, b, c, f, g} c. U d. {a, c} 14. Let U = {a, … Consider the set of polynomials S’ = {1, x + 1, x2} on the interval [0, 1].. (a) Use the Gram-Schmidt process to find an orthonormal basis of S. (b) Using the orthonormal functions from part (a), find… Please help me get started with this problem: How can I express this statement in symbols? How can I determine if it is true or false? How would I go about expressing the negation in words and symbols… harvey invested 100000 in a trust fund htat pays12% compunded semi-annualy how long it will take double his money? and how to get the time? Find the balance in an account of 2800 is invested at an annual rate of 4.25% for 6 years and compounded monthly A) $ 3,514 B) $ 3,611.67 C) $4,654.44 D) $2,860.03 Solve the equation… Q4: Consider the following finite difference approximation (UitLy – Zu, , + 141-1.1) – (1,+1 1 – 1,-1.). where y is a constant. The above finite difference scheme is stable for airs birk chr> d) N… A) Use an integral to find the area between y=cosx+15 and y=ln(x-3) for 6≤x≤ Round your answer to three decimal places I need help. A website sells custom messenger bags in 5 sizes. For each size, there are 53 color/fabric combinations. Any of these 53 can be chosen for the left, center, and right panel. In addition, … Please show steps on how you were able to compute the answers. . Q1. Considerthe curve y: E x3 + 5x + ll mod 1?. {i} Confirm that it is an elliptic curve. {ii} Determine points on the curve over r… Assume f E L’ (R), i.e., f is in the Lebesgue space of integrable functions on R. For each a > 0, let fa(x) = af(ox). Prove that lime-1|If – fall = 0. An investment of $1000 is deposited at a certain annual interest rate. One year later, $4000 is deposited in another account at the same rate. At the end of the second year, the accounts have a total … please help,I hope ?. on another sheet and attach it to this test paper. H Patterns and Numbers in Nature 1. Population in the year 2020 has been estimated to be 7,800,000,000 and the current popul… Please provide Handwritten answer. For the differential equation and the boundary conditions shown here determine the first three natural frequencies, and their respective mode shapes. aov a*y a*v az … Question 2 Consider the functions f (x) = x(x – 3) (x + 4). g(x) = x + 2, and h(x) = \x -1 Compare the x and y intercepts and the domain of the new functions of m(x) =! h(x) – and g(x) n(x) = 9(x) h(x… What’s New We said that for a reason to become a function, the value of the domain must correspond to a single value of the range. Let read some of the conversation and determine if they can be classi… Solve the multiplication problem 96 X 8 in three different ways: by using the common method for writing the standard algorithm, by using the partial-products method for writing the standard algorit… Question 2 A bakery makes sweet rolls and donuts. A batch of sweet rolls requires 31b of flour, 1 dozen eggs, and 21b of sugar. A batch of donuts requires 51b of flour, 3 dozen eggs, and 21b of sugar.… i neee and answer. 6. Tania wants to cut a wooden block into a "1". 6 cm 16 cm 3.5 cm 15 cm a. What will the volume of the "I" block be? (3 marks) I b. What will the surface area o… Politics Use duality to answer the following application.The political pollster Canter is preparing for a national election. It would like to poll at least 1,100 Democrats and 1,100 Repub… help me please. 3. Dalam Rajah 3, titik O ialah asalan, titik R dan titik O terletak pada paksi-x dan titik / terletak pada paksi-y. Garis lurus RS adalah selari dengan garis lurus PO dan garis lurus … What fraction goes into the box to make the following statement true? (NF.2) < a. co | UT b. 10 C. d. There are initially 100 fish in a pond and its population is changing at a rate of 413-3012 -12+150 where t is time in weeks. What will be the population after one year? Two cyclists, Isabella and Maria, are having a race. They both travel along a straight road with constant acceleration, starting from rest at point A. Isabella accelerates for 5 s at a constant rate a… Instructions: 1. Study the following topics on: a. Simple and General Annuity (Module 4-5); b. Fair Market Value of a Cash Flow (Module 6); and c. Deferred Annuity (Module 7) 2. Read, analyze and do w… Q 1: (13 Points) Use simplex Method to solve the Linear Programing Problem Maximize P 2 2.171 + x2 + 3×3 x1+2×2 +13 5 25 subject to the constraints 3×1 + 2×2 + 3×3 <2 30 35120, x2205x320 Denote the bird and cat population at time k by xk = [Ok Rk] where k is the time in months, Ok the number of birds in the region studied, and Rk the number of cats (measured in thousands). Suppose: Ok… Numerical scores rarely tell the whole story. Besides how many words Mark can read correct per minute, what information do you need to know regarding his reading performance on th. Numerical scores ra… (10 points) Graph the feasible region for the following LP Problem using desmos. max 5A + 2B subject to A – 2B < 420 2A + 3B < 610 6A – B< 125 A, B 2 0 Also find the optimal solution to th… Creat class that has the following methods roundANumber and truncateANumber and the methods should return double results please answer in complete, will give an unhelpful otherwise.. The technology coefficient matrix A is 0.50 0.10 0.50 0.25 (a) 0.25 (b) 0.25 0.10 0.25 0.25 0.25 0.10 0.50 (c) (d) 0.50 0.10 0.25 0.25 The… Nathan throws a ball from a building at an angle of 55.0′ above the horizontal from a height of 100. m above the ground. The ball strikes the ground at a point 65.0 m horizontally away from the bas… It is only one question, but it is very long, I had to take several pics to make it fit. Ann asked 12 students how many courses they have taken so far at her college. Here is the list of answers., 16 , 7 , 21 , 14 , 9 , 11 , 22 , 19 , 17 , 12 , 5 25 What is the pe… a) Evaluate the following indefinite integral of a rational function: 3×2 – 9x – 9 dx x3 – 9x (Marks: 15) I b) 1. Sketch the region bounded by the curves x = y?, y = V2, and x = 0. 11. Use cylindrical… The distance covered by a bike is given by the expression 2×2 +6x -20 km. The time taken by the bike to cover this distance is given by the expression x – 2 hr. Find the speed of the bike at x = 4.… Un gas ideal circula a través de un ciclo de Carnot. La expansión isotérmica se presenta a 250°C y la compresión isotérmica tiene lugar a 50°C. El gas admite 1200 J de energía del depósito ca… IDIC Determine all positive number replacements (less than the modulus) for the question mark that make the statement true 1 -?=2 (mod 5) Select the correct choice below and, if necessary, fill in the… Identify the function as a power function, a polynomial function, or neither. f (x) = 3 +1 A power function A polynomial function that is not a power function Neither a power function nor a polynomial… JimmyJohn Consulting has just won 3contracts for new clients it wants very much to target. They have assigned their project teams, but each project needs a project manager to oversee the work of the t…

the… [0/3 Points] DETAILS In the binomial probability distribution, let the number of trials be n = 4, and let the probability of success be p = 0.2689. Use a calculator to compute the following. LO USE SA… The company you work for has downsized and you have lost your job. You receive a severance package of $65 000 and decide to invest it for retirement, earning an average of 7% per year. It has been sug… Partial differential equations. Find the steady-state solution to a homogeneous Neu ion on 0, /: ut(x, t) = kurz(x, t) Ux (0, t) = 0, Ux (l, t) = 0, u(x, 0) = f(x). No Due Date Points 100 Submitting an external tool A bag contains three blue marbles numbered 1, 2, 3, and five red marbles numbered 1, 2, 3, 4, 5, as shown in the figure below. You draw a marble at r… need help with 9.57, second image is reference . 9.18. Prove that at each point on a patch, N. XN. = K(X. X X.) where K is the Gaussian curvature at the point. Since N is a function of unit length, … A merchant receives an invoice for $100,000 with terms 2/20, n/60. What is the highest simple interest rate at which he can afford to borrow money in order to take advantage of the discount? 2. … “Nitapigana Kwa jino na ukucha kuulinda utu wangu”Eleza muktadha wa dondoo how to do it. 2. The coefficient of x is — in the expansion of 1+ – . Find the value of n where n # 0. S Hence, find the binomial expansion of (1+ in ascending power of x up to the fourth S -1 term. … Good morning!! I need this Case study for tomorrow night ! I hope I can get help ! Thank you!! Scenario: Karen will be assisting with her first equine surgery. Winnie is a 7-year-old Clydesdale weighi… Subject Name: Mathematica. Evaluate the following integrals: SVx- + 10x + 25 dx. (cos4*x – sin4* x)dx dx 4) (10 points) Write a word problem for 17 . (-10) = ?. Use the context of the word problem to explain why the answer will be negative. QUESTION 4 (a) Let A = 0 Use the power method to estimate the dominant eigenvalue and the corresponding eigenvector of A Start with the vector (1, 1, 1) and do two iterations (b) Let A be a 3 x 3 matr… numbers at three decimal places. 4. (10 points) A firm produces with two inputs, capital K and labor L. Its output is a Cobb Douglas function y = L0.5 K-0.5 Its (long-term) total cost is C = wL + rK w… Suppose that for some linear function f: R2 -> R?, f([) = [;] and (a) (6 points) Using the properties of linearity, find f([3]). You must show your work to get credit. (b) (6 points) Find the m… Show that when the family of curves are not geodesics, the deviation vector satisfies the equation D2 vk DT2 =u’Vi (u’Vivk) = RK bequo ucvd + viv;ak where ak = u’Vjuk is the acceleration. [5] Compute the effective annual interest rate for 4% compounded semi-annually. Select one: a. 4.04% b. 4.32% c. 10.40% d. 8.16% The cylinder below has a base with a diameter = 14 cm, height = 16 cm and π = 3.142 (calculate the curved surface of the cylinder A city has a population of 240,000 people. Suppose that each year the population grows by 8.75% . What will the population be after 12 years? Use the calculator provided and round your a… business mathematics. Question 25 (3 points) Lorne is considering working for Part-Time Painters. He would operate as an independent painter, but the jobs would be given to him by the company. In the … Ahalf-turnisa180-degreerotation.Applythehalf-turncenteredat(3,2)tothepoint (7, 1). Find coordinates of the image point. Find coordinates for the image of (x, y). A student measures the shadow from a one metre stick and notices it is 2.2 m. The student then measures the shadow of a nearby tree and finds out that it is 26.4 m. How tall was the tree? (Show dia… Kyle and Joseph are standing on level ground on opposite sides of a tree. Kyle measures the angle of elevation to the treetop as 35 0 . Joseph measures an angle of elevation of 30 0 . Kyle and Joseph … Let X be a random variable with the following probability density function. ?(?)=34(1−?2),−1<?<1and ?(?)=0 otherwise. Give the integrals for the followi… point w Did I Do? ve the degree and leading coefficient of the following polynomial function. f (2) = 27 7- 724 – 424 Degree: Number eading Coefficient: Number Environmental scientists often try to estimate populations of plant or animal species and understand to what extent they can be used as resources by humans without being depleted. For instance, popula… please answer . Question 37 (4 points) Calculate the reactions at each support to achieve equilibrium of the beam. (Clearly show the calculations) 100 N 50 N Support Support 1 m 3 m 2 m Paragraph BIU… Please provide Handwritten answer. tion 7 Let Hj, H2 be Hilbert spaces and T: H, – H, be a bounded linear operator. If M, = N(T), M2 C H, such that T(M,) C M2 , then(T(H,))+ c N(T’). ered ed out of S… We model the interaction of the number of rabbits, RR, in thousands, and sheep, S, in hundreds, in a region by the equations R’=5R-R^2-SR S’=8S-S^2-2SR a.) What are the equilibrium points? Note: R … Sister weekend had 400 skittles and 5 sisters. Find the number of skittles per capita. Provide your answer below: Pls help solve this .It’s kinda hard for me. Area = 63cm 2 Find a 2x + 8 Use the metric system unit of measurement that makes the most sense to you. Show your work. 1. Add: 3.45g, 0.06kg, 0.67g, 690mg, 2dg 2. Add: 5.2 L, 5,300mL,… grade 9 and triangle inequality theorem topic. . Find the value of x and list the sides of AABC in order from shortest to longest if the angles have the indicated measures. 6-8. mZA = (9x – 29) , m… please help with 2b . 2. Suppose y(s) is a unit speed curve in 3-space. A surface S in 3-space is said to rectify (or straighten) the curve y when y lies on S and is a geodesic on S. For instance a c… El ingreso marginal de una empresa está dado por Determinar la función ingreso Encuentre la relación demanda para el producto de la empresa. R’ = 15 1x Sir i am stuck for this question i need even single single step explanation its an humble request. Module 3.5 The goal of this problem is to demonstrate that implicit differentiation agrees with sta… D Question 8 1 pts Jeremy and Bill each have $95,459 to invest in a retirement account whose annual rate is 2.8% with monthly compounding. Jeremy invests his money all at once, whereas Bill decides to… When Ms. Shreveport randomly selects a student in her class, she has 1/3 probability of selecting a boy. a. If her class has 36 students, how many boys are in Ms. Shreve’s class? create a dynamical system where all of the following conditions are met: 1. there are two x nullclines: x=1 & y=2 2. two y nullclines: y=1, x=2, (3). at the origin (0,0) dx/dt and dy/dt are positi… Use the distributive property to make it easy for you to calculate 30% of 240 mentally. Then use the associative property of multiplication to solve the same problem. In each case, explain your st… can I get the answer with calculations. 1. Determine the primary trigonometric ratios for 20 to three decimal places. 8.5 4.0 2 Use trigonometric ratios and the Pythagorean Theorem to solve the triang… Question 3: Describe the subdifferential of the function g : R3 – R defined as g (x) = |-x1+2×2 – x3. Compute the following integral. ex’/kx?[H(x – 2t) – H(x – 4t-1/2)]drdy (1) DO m m Where H is the Heaviside step function, defined as: H(a) = 0if a <0 H(a) = 1ifa >0 Please answer the question attached . the probability that a randomly se the Poisson probabilities: city-year a. 0 Its 162 es as needed.) es as needed.) es as needed.) es as needed.). Question 3 o… please help with 5(b) dont mind if only processes, need partial credit Decide whether the following statement makes sense (or is clearly true) or does not make sense (or is clearly false). Explain your reasoning. If all novels are books, then all books … Assignment Two Submission Your company has been awarded the contract to install fibre optic cable from Huntsville, Ontario to Thunder Bay, Ontario. The fibre optic cable will be installed parallel to … Question 3: Consider the following problem min f(x) subject to x 2 0, (1) where f : R3 – R is defined as follows: f(x) = max ((x1)2 + (x2 – 1)2 + (x3)2, (x1 – 1)2 + (x2 – x1)2+2, -x1+ 3×2 +x3-1). Solv… hope you can help me with this question. Self Mastery 1.5/ 400 mil RMG.40 RM14.25 RM21.60 Anis goes to a grocery store to buy her favourite brand of orange juice. She finds that the orange juice is so… Please Answer ASAP (even if it is with educated guess) thank you Recall that the n -hypercube Q n is the simple graph whose set of vertices is the set of all binary sequences of length n , and… Given three functions f, g, and h, define (f o g o h)(x) = fig(h(x))]. Find (fog o h)(1) i g(x)= and h(x) = x+24. Let (Sn) be the sequence defined by Sn = VAn2 – n – 2n Prove that (Sn) converges based on E-N definition. (20 points) The profile below shows the preferences of voters in an election with 4 candidates (A, B, C, and D). Number of voters Preference 17 D > C> B > A 15 B> A > C>D 11 C >… Consider the relationship 7r + 6t = 21. a. Write the relationship as a function r = f (t). Enter the exact answer. f (t) = b. Evaluate f (-7). f (-7) = c. Solve f (t) = 39. t = M Using a math drawing, explain why dividing both the numerator and denominator of by 2 produces the same number (an equivalent fraction). Discuss how to see division by 2 in both the numerator and… Maria has saved $ 970 at a bank. She wants to accumulate $ 1 comma 250 to attend computer camp. What percent of her goal has been reached? Im struggling with this… simple is easier. I think I’m overthinking this. You plan to purchase a If you buy items costing $900 and finance the cost with a fixed installment loan at 5% simpler intere… . O Given h(x) =2-3x and g(@) = 3 , find h-1(x), gl(x) , (gah) ‘(x) and (h-leg-1)(#) . What can you conclude? My E , F , G , H is 5 , 2 , 4 , 5 . MHF4U 1- ASSIGNM ENT AZ Page 1 Of [5 DATE: FIRST NAME: LAST NAME: ss: _ _ _ _a = _.f = _.g = _.-’1 _ NOTES 1. Complete the header of this document… Use similar triangles and a proportion to find the length of the lake shown here. (Hint: the side 100 m long in the smaller triangle corresponds to the full side that is 100 m + 120 m in the larger tr… Condition 13 is listed below. 11. Consider the quadratic program 6x, + 3×2 + 2×3 =6, x20 x] + (x3 – 3)2 = min. Using condition (13), find the optimal solution. (Hint: x, = 0.). Theorem 1. … Consider the following table. 1 2 3 4 40 Identify whether the function is linear or exponential, and identify the equation Compare and contrast the function in (a) with g(x) = 6 – x (How are they simi… A bus sets off from stop A and accelerates uniformly for 1’1 seconds covering 300 In. It then travels at a constant speed 12 for 3’2 seconds covering another 1250 m. It decelerates for 2’3 secon… (a) A teenager with a mass of 55 kg is cross-country skiing when she falls and slides on the ground. The coefficient of kinetic friction between her and the ground is 0.16. Calculate the force of … Describe fully using proper Mathematical terminology, the transformations of y = cos x to y = 2cos- 4 x+ +3. Include the period and equation of axis in your explanation. Define a function on the unit square [0 , 1] × [0 , 1] by 1. Show that ∫ 1 0 [∫ 1 0 f (x , y) d y] d x exists and find its value. 2. Show that f (x , y) as a fun… Sir i am stuck for this question. Question 7: [4 marks total] (3) Calculate the determinant of the following matrix. Show your working (2 marks) 3 4 1 0 -5 2 (b) Let B be an invertible 3 x 3 matrix… A manufacturer of digital projectors must ship a total of at least 1000 projectors to its two central warehouses. Each warehouse can hold a maximum of 750 projectors. The first warehouse already h… As an Applied Econometrics student, you were interested in and wanted to explain the fact that many people had quite different wages. After doing some literature review, you proposed the following pop… Sir i am stuck for this question . 3) [16 Points Total] Solve the initial-value problem y’ = 2t cos(t) y , y(0) = 3. Write your answer in as simple a form as you can.. [12 Points Total] Evaluate the … Points TOO submitting an external tool Question Suppose X ~ N(18, 2), and x – 22. Find and interpret the z-score of the standardized normal random variable. Provide your answer below: The z-score when… Question 2: Given the vectors r and yl, . .., y" in R". Our objective is to check whether re convly , …,y" }. Formulate an appropriate convex optimization problem and its dual problem… The winter occupancy rate in a 600-room hotel was 52%, calculate how many rooms are occupied in the summer, if the summer occupancy rate is 13%higher than in winter Find the 10th term of an arithmetic sequence 14. Given the geometric sequence 1, -2, 4, … with first term of 5, and common difference of 3. Find the 8" term. 15. Find the sum of the first 2… hello can you please answer the following question 12, reference Maths A-level (year 13) AQA. THANKS. 12 The area under the graph of y = (x+ 1)e2 between the coordinate axes and the line x = 2 is to b… COPY FROM CHEGG OR OTHER WEBSITES AND I WILL REJECT AND REPORT YOU. ANSWER ALL QUESTIONS 1) A dms program shows the relationship between ____ variables and a bubble graph shows the relationship betwee… 13.Tina’s application for graduate school was ranked56out of400applications. Her twin sister’s application to a different graduate school was ranked 15out of300 applications. a. Which sister had the h… Need help with step by step solution. Math 121 6. (15 pts) Given A =110011 B =111011 C =101010 Find (a) A +B +C (b) AB +C (b) Summplis Y = ABC truth table toright sim (c) C(A + B) Communication 4. Determine if (0,-2) is a solution to the system. Explain. (2 marks) 4x – 3y = 6 x+ y =2 6. Write a system of equations to model the following situation. (2 marks) On Monday, Hasan bou… Jill wants to buy shorts (s) and t-shirts(t) and has less than P1000 to spend. A pair of shorts is P200 and a t-shirt costs P100. a. What are the given? c. Graph b. Write the mathematical statement. d… Please show all work!. Let X be a set and A, B C X. Define def A-BAn(X -B). Prove the following: (a) A – A=0. (b) A -B=A -(An B). Let In be the truncation error and en = y(Xn) – Un be the global error of the implicit method Un+1 = Un +ph(f(Xn, Un) + f(In+1, yn+1)) (where h = En+1 – In) for the numerical solution of [y'(x) = f… Kindly correct the answer. Question 1. a). Determine whether the following statements are logically equivalent? Please support your answer with explanation. [3] i) For each integer a there is an integ… How do i solve this?. Write an equation of the line containing the given point and perpendicular to the given line. (6, -9); 2x + 9y = 4 .. … The equation of the line is y = (Simplify your answer. T… In each case determine k so that the line is parallel to the line 2x -4y + 38 = 0. a. 8x + ky = 16 b. kx – 9y – 18 =0 c. y = kx + 4 d. x = ky +4 (get + 3) (5×5 + 7x Find f’ (x) if f(ac) = Vac + 3 f’ (2) = A small country with a population of 6,000,000 consists of four states, A, B, C, and D. There are 150 seats in the legislature that need to be apportioned among the four states. The population of each… (12 marks) Prove or disprove each of the following statements. (a) For all sets A and B, 73(A) >< 77(B) = 73(A X B). (b) For all non—empty sets A, B and C, if A x B = A X C, then B = C. (c)… identify whether the sequence is an arithmetic sequence geometric sequence both or neither Sir i am stuck for this question. Question 1: |5 marks total | (a) State the definition of derivative (I mark) (b) Use the definition of derivative to show that; (cos x)’ = sin x Hint: cos(x + y) = … At Lawn King (LK), the managers are attempting to make decisions concerning production and inventory control. Their policies must take into account the fact that they want to keep finished goods inve… Write the dual for the following primal proble m. min f = 3 x1 +9 x2 + 4 x3 x1 +2 x2 +3 x3 = 180 2 x1 – 3 x2 + x3 <= 60 5 x1 + 3 x2 >=240 x1, x2 >=0, x3 unrestricted. Maths. Question 6 [6 points] The rate of markup on cost on a product selling at $52.15 is 45%. a) What was the cost of the product to the retailer? For full marks your answer(s) should be rounded to t… Problem 3 Explain the concept of production based on the 6 Sigma principle. Do some simple calculations to illustrate that the probability of discarding the product is very low. Compare with the resul… Help wanted with problem. Frequency M 42A. Us ‘30 E: I 5" .33 I? 25 3f 3? data {1 Based on the histogram above, what is the class width? What is the sample size? Question 6 (1 point) Saved) Listen Julia usually volunteers 15 hours a week including five hours on the weekend. What fraction of her volunteer time occurs on the weekend? Reduce the fraction to its … Problem 1. Evaluate x sin x 1= (x2 + 1) Be sure to justify closing the contour on the upper or lower half plane. Problem 2. Show that sin x dx = x(x + 1) 2 If you want to use Jordan’s Lemma, justify … iment Remaining Time: 153 Select the camect loops to simplify the given function in POS (jproduct of sums] form: Noter lo lo select loops that wrap around the edges of the table, you must select both sec… Check my wor Calculate Social Security taxes, Medicare taxes, and FIT for Jordon Barrett. He earns a monthly salary of $11,000. He is single and claims 1 deduction. Before this payroll, Barrett’s cumu… Check the competencies appropriate for the given test format/method Please explain solution. . Given that f(x, y) = r’ -2ry + 2y’+2x -1 is a convex function, find its minimal value subject to r + y = 2 by using the method of Lagrange multipliers. (a) -3 (b) -1 (c) 2… Dada la funcionf (s, t) = – st2 – 4s t, la derivada parcial de segundo orden con respecto a s corresponde a Answer questions A , B, and C. Advice from most financial advisers states to spend no more than 28% of one’s gross monthly income for one’s mortgage payment, and to spend no more than 36% of one’s gro… The following graph is meant to display a relationship between the amounts of snowfall in Toronto over a period of 10 years. Assume that the data points are correct. Examine the graph and answer t… Sir i am stuck for this question . 1. [-/1 Points] DETAILS JMODD8 1.1.033. Fill in the blank with what is most likely to be the next number. 4, 10, 16, 22, 2. [-/2 Points] DETAILS JMODD8 1.4.014. Exp… Determine the volume of the rectangular box for packaging 3 squash balls using the following formula volume of a rectangular box= length × width × height ASAP. Show that it is not possible to design a cylindrical can (with top and bottom) of volume 900 cubic centimetres with the largest possible surface area. Hint: Follow the normal optimization proced… Your answers are saved automatically. Remaining Time: 59 minutes, 53 seconds. Question Completion Status: Close Window Moving to the next question prevents changes to this answer. Question 1 of 10 Que… Q.1. Find the domain and the image of function f (x) = 2.2. Estimate using differentials: VEIN – (8.83) Please provide Handwritten answer. 5. [10] An LCD display screen consists of tiny dots, called pixels. However, some screens may contain defective (dead) pixels, and it is known that dead pixels occur… A random sample of 250 Sydney residents took part in a handwashing study in 2021. Suppose the calculated probabilities for handwashing times of Sydney residents are as shown in Table 1 below. Table 1…. Currently struggling with a lecture problem, we are currently using R programming, would love if you explained thoroughly. . Problem 1: This problem is about the maltinomial distribution. The mult… pls help 2 questions. 0/1 pt 9 2 Let’s pretend that our current system of money was strictly Base Ten, so that the only currency that we used were pennies, dimes, one dollar bills, ten dollar bills, h… Please use the fractional exponent method since alpha is between 0 and 1. What’s the answer?. Percentage of Youths Employed and Enrolled in School in July (ages 16 to 19 years and 16 to 24 years) The percentage of youths employed O A) fluctuates more than the percentage enr… years followed by contributions of $750 at the end of every month for the next four years? Assume that money is worth 4.2% compounded monthly. 11. An RESP fund, for a 12-year period, earned 3.75% comp… hi I’m 13 and this question has been driving me insane pls help. A monkey has 100 bananas. Each day, he keeps a percentage of his bananas, gives the rest away, then eats 1. At the end of the fourth da… Question 20 (1 point) Given f(x)=2x-3, evaluate f-1(0) Choose the best available answer below Oo O N H O N/ W O-3. Question 21 (1 point) Given f(x)=2x-3, evaluate f-? If (x)] Choose the best available… Please help with the following. Thank you.. Concerning the set of three-digit integers (numbers between 100 and 999 inclusive): How many are divisible by 4 or 5?. Concerning the set of binary strings … A certain 401(k) was funded with $500 semi-annual contributions. It grew for 40 years. How much would be present in the account assuming an APR of 3%. FV= PMT[(1+r/c)^ct-1]/r/c . Find a vector that gives the direction in which the given function increases most rapidly at the indicated point. F(x, y, z) = x2 + 9×2 + 3y22; (1, 2, —1) Find the maximum rate. Q For any two sets A and B, if A ∪B = A, then B ⊂ A true or false? Provide detailed information about your problem and what steps you loon Question 17 If the probability a person has blue eyes is 0.08, the odds of not having blue eyes is Remember to simplify. Previou… 2.6. Find the areas of the given surfaces using parametric coordinates. (a) Using the parameterization x = u coso, y = u sind, z = u cot ?, find the sloping surface area of a right circular cone of se… A committee of two is selected from a group of 4 people, R, S, T, U. a) give the sample space b) give the event “R is on the committee” 2. A coin is flipped three times, and the number of heads is … Please provide clear and neat complete solutions step by step? (b) Lambda = 0 and e^-((x)^2) = f(x). Sketch the solution from part a) for t = 0, 1, 2, 3 on the same x-axis. Please explain why is thi… i need applied maths solution book (frank s budnick) 2+4+6+998+3*+6+3+5+/8+91+355+215/*2-999651+5454565-2/6699+24+7= MC 11. 11. If the function f(x) = (x + 4)(x -2)(x – 3) is transformed in to g(x) – -f(2x), then the x-intercepts of the graph of g(x) are: a) -2, 1 and NIW b) 2, -1 and 2 c) -8, 4 and 6 d) 8 4 and -6 please help assignment 3 question 8 . Given the following 10-digit mini-IEEE floating point representation 0 1001 11100. What is the corresponding decimal value? (enter "-infinity", "… Construct the Frequency and Percentage Distribution Table of JM Super Mall has 1546 employees in which 12 are contractual, 620 are probationary, and the rest are regular employees 15) You would like to buy a condominium worth $250 000 in 10 years. You have two options for saving this future amount. Option A: An investment that earns 7% per year compounded monthly Option B: An i… Shadowhealth 15. [-/0.88 Points] DETAILS LARMPMT1 7.3.003. 0/100 Submissions Use Place the decimal point in each product. (a) 8.9 . 3 = 267 0.267 2.67 26.7 267.0 (b) 1.4 . 1.9 = 266 0.266 2.66 26.6 26… please help me answer this. Find the Differential Equation of the given family of curves described: 1. Straight lines through fixed point (h,k); h and k not to be eliminated 2. Straight lines with slo… MA2001 Homework Assignment 2 7. Let u1 = (1, 4, 2), u2 = (0, 3, 1), u3 = (1, 1, 1), u4 = (1, 3, -3) represent four points in the xyz-space, and S = {ul, u2, u3, us}. (i) [3 marks] Show that we cannot … Play the Four Dice Roller in the Games Fair. . Explain how a tree diagram could be used to explain how many total possible ways, n(S), there are to roll four dice. 12 Using the slot method and mult… (iv, 16 pts) What does it mean for an algorithm to be invertible? Why do we insist that an encryption algorithm is invertible for use in cryptography? 3. (ink, 22 pts) Read the WIREDTM article on t… An article from October 3, 2007 in The Washington Post about how paper and plastic bags impact the environment, stated that: “Worldwide, an estimated 4 billion plastic bags end up as litter each year…. Michael Wittry has been investing in his Roth IRA retirement account for 18 years. Two years ago, his account was worth $215,685. After losing 1/3 of its original value, it then gained 1/2 of its … The first three questions are based on the following case An ad campaign for a new snack chip will be conducted in a limited geographical area and can use TV time, radio time, and Internet ads. Inform… . f” 9:37 t3}: ‘é’: 73% 6 Chapter 2 — GEC 4… E side).-Unknowns are represented by letters bfien in lower case, called literal variables. 2x+l=y-l Translating Verbal Sentences into Mathem… We consider an infectious disease for which individuals who recovered from the disease are not immune and can instead be infected again (they are, in other words, susceptible). Create a model that cap… Please see attached and show complete explanation so I can understand how to calculate properly. 2. Miles is considering buying a new pickup truck for his lawn service firm. The economy in town seems … ayuda plis. Ejercicios 33) Usando el algoritmi de Euclides calcule los siguientes maximos comunes divisores: I. mcd(2947, 3997). II. mcd(329, 1005). III. mcd(1302, 1224). IV. mcd(7469, 2464). v. mcd(2… (10 pts) Use pseudocode to describe an algorithm for finding the smallest integer in a finite sequence of integers. Call it procedure smallest(a1, a2, …, an: integers). please help with a, b, c, d!!! I am trying to understand it. The solution that part a refers to is attached as well.. 33. Constant Coefficient First-Order Difference Equations When discussing a popula… construct four self-similar fractals with different orders of ramification in the plane (you can attempt this by hand or with a python script. please provide the script if you do so). For each fractal… In this discussion forum, you are going to research a real-world application of statistics. In this application be sure to include one of the central tendencies such as mean, median, mode, or range. B… Please provide a counterexample for the following proposition: A l l C a u c h y s e q u e n c e s i n Q w i t h r e s p e c t t o | · | p c o n v e r g e . ***Som… Use RPM to multiply 19 (28) 2. Write 174 as a sum of powers of 2 3. Is 25,857 divisible by 9 ? 4. Calculate: 5. Find absolute and relative error in writing 6. Give the GCD of 45 & 105 a) … Consider the equation Ut = 4(Urr + -Ur), 0 < r< 1, t> 0, with the boundary condition u(1, t) = 0, t> 0, and the initial condition u(r, 0) = 2, 0<r<1. The solution is u(r, t) = _ amJo… We consider the following initial value problem i = tax – sin I (1) = 2. For [2 bonus points] apply one step of the Taylor series method of order 2 to this initial value problem with a stepsize h =… To help pay for new costumes for a play, a theater invests $1600 in a 30-month CD paying 3 2% interest compounded monthly Determine the amount the theater will receive when it cashes in the CD after 3… please help me solve this. The product of 100 whole numbers is 500. What is the largest possible sum of these 100 numbers? The actual effort exerted by the government to affect the exaction of what is due from the taxpayer is known as; The Apollo program (not the lunar missions with astronauts) being conducted at the Apache Point Observatory uses a 3.5-m telescope to direct lasers at retro-reflectors left on the Moon by the Apollo a… The Egro Company manufactures and sells a garden table. It pays $4,030 per month for rent and utilities, and $2,370 per month for management salaries. The variable costs are $52 per uni… Using MODI transportation method determine the minimum cost of transport and the final distributions. THE COST OF TRANSPORT: CII=30 C12= 30 C21=30 C22=50 C31= 40 C32=60 K1= K2= SUPPLY R1= 25 … Plan effective date: 1/1/92 Actuarial cost method: Frozen Initial Liability Assumed interest rate: 6% Initial accrued liability: $10,000,000 Normal cost for 1992 as of 1/1/92: $3,000,000 Normal cost f… #39 & 47. In Exercises 35-62, find the derivative of the function. 35. f (x) = 5 In x 36. f(x) = In 5x 37. f (x) = In(x + 1) 38. g(x) = In(2x + 1) 39. f(x) = In x 8 40. h(t) = 2 In ts 41. f(x… explain the behavior of the graph. 12. Your friend Marielle asks your help in drawing a rough sketch of the graph of y=(x2+1)(2×4-3) by means of the Leading Coefficient Test. How will you explain the … Parents want to find out which days of the week their children are away in a 5 day school week. Most parents believe that their children are equally away throughout the week. Suppose a random sample o… APPLICATION 7. A pilot is flying from Thunder Bay to Dryden (a distance of 320 km). As the plane leaves Thunder Bay, it flies 20" off course for 80 km. a) Draw a labeled diagram of the scenario. … [-/1 Points] DETAILS CRAUDQL3 4.3.019A. MY NOTES ASK YOUR TEACHER PRACTICE ANOTHER You plan to work for 40 years and then retire using a 25-year annuity. You want to arrange a retirement income of … Solution. Let p := X/u. For the M/M/2/2 system, the blocking probability is b1 := p2/2 1+p+p2/2, the throughput: A(1 – b1), and the average delay of admitted jobs: W1 = 1/M. For the M/M/1/2 system … Find the solution to the following linear, homogeneous recurrence with constant coefficients: an = -3an 1 – 16an 2 -48an 3 for n > 3 with initial conditions ag = -6, a1 = 12, a2 = -4. The solution … Use Burnside’s Theorem to determine how many ways can one color the edges of a square using three colors, up to symmetry. Suppose ot * 0 and d Xt = (rtxt + Ment) dt + mtot dBt. Also suppose po = 1 and d pt = Pt(At dt + Ct dBt). It is known that ptXt is a martingale for any Tit. (a) Express At and Ct in terms of rt, M… Please provide all details and explain your answer. Is the set Q = { j such that |W j | > i } an r.e. set? Is it recursive? Prove both. Please provide Handwritten answer. Solve the Bessel ODE 4 dt 2 + p-0.1. q=0, 7(0)=1, dy dt (0) = – Tasks: 1. Transform the original ODE into Bessel equation. 2. Derive the general solution by hand. 3.… Meyerhoff, Miriam. Introducing Sociolinguistics, Taylor & Francis Group, 2018. ProQuest Ebook Central, . Created f… help i need so much help with home work currently in 11th grade need answers immediately. 10. What is the compression ratio of a gasoline engine whose expanded cylinder volume is 225 in’ and whose compressed volume is 18 in’? (Round to one decimal place) 11. The p… Consider the system given in polar coordinates by dr dt r(3-12) (74 – 1r2 + 1) de = 3 (a) Find all the periodic orbits. Give expressions for the corresponding periodic solutions in Cartesian coordina… KINDLY COPY AND PASTE THIS LINK TO THE URL, THIS IS A GATHERED INFORMATION SHEET AS REFERANCE OF YOUR ANSWERS: file:///C:/Users/Administrator.SC-202011061535/Downloads/Sample-Phase-2-1.pdf. Aside from… The Situation It is time to negotiate a new contract with some of Lightning Wholesale’s unionized employees. The company believes in dealing fairly with its employees. Based on the current economic en… Pls kindly show workings clearly. 3. Determine whether the sine, cosine, and tangent of the angle 950 is positive or negative. Explain how you know. (4 marks) 4. A carpenter is building a bookshelf a… Hoy deposito $2.500.000 en una cuenta que reconoce el 22%. ¿ cuanto dinero tendre dentro de 2 años? Solve the given initial value problems. 2 1 cos(x2) (a) y y(V7) =0 T U (b) x’ y" – 3xy’ + 4y=0 , y(1) =1 , y'(1) =1 I’m doing homework right now and I wonder if I can get help with these questions. Use this table for problems 7 – 9 2 T -5 -3 -1 13 5 7) When !(x) = 1, X = what is Nx – 137 8) When fix) = -3, what is … Sir i am stuck for this question . (2 points) Sometimes a DGL can also be changed by substitution in such a way that it can be solved by separating the variables. 1. Consider the DGLy’ = f(at + By + … The random sample of size n is taken from the normally distributed population with the population standard deviation (σ) of 2.7. The sample mean (x) is 29.2. Construct a 95% confidence interval abo… Calculate for the price elasticity. Show the solution how did u get it. 2. Determine whether sushi is elastic, inelastic, unitary. Explain why. 3. Make a table. Problem Sissy loves to eat … Using the scale below, enter the numbers as required 1 “Equal” 2 Between Equal and Moderately Better or More Important 3 “Moderately” Better or More … it’s about exponential growth and decay. In 1990, the population of Washington DC was about 604000 people. Since then, the population has decreased about 1.8% each year. Suppose this trend continues. … 19(a), thank you!. 19. In the figure, H and M are the orthocentre and the circumcentre of ABC respectively. AHEF, BMH and CHD are straight lines. BG and CG are the tangents to the circle at B and C re… please provide clear and neat solutions step by step?. 2. Find the particular solution of u. + 2u,, – 4u =erty satisfying the following side conditions. (a) u(x,0) = sin(x) (b) u(0,y) = y (c) u(x, -x… [0.25/1 Points] DETAIL In this problem, we explore the effect on the standard deviation of adding the same constant to each data value in a data set. Consider the following data set. 6, 10, 4, 12, 6 (… Graph the function f(t) = A Oct<T 0 otherwise b. Represent this function in terms of the Heaviside functions. c. Find the Fourier transform (not the series) for the function represented in b. d.… . (20 Points) A time series rt is said to be linear if it can be written as rt = u + viat-i, i=0 where u is the mean of rt, vo = 1, and {at} is a sequence of i.i.d random variables with mean zero an… Answer questions A and B. a. Use the appropriate formula to find the value of the annuity. b. Find the interest. Periodic Deposit Rate Time $30 at the end of each month 4% compounded monthly 15 years … Make a tree diagram to show all the possible sequences of answers for four multiple-choice questions, each with four possible responses. Assuming that you are guessing the answers so that all outcomes… From the number theory, thank you. Problem.. (1) Find all primitive roots modulo 9. (2) Find all integers modulo 9 having order 3. (3) Find all primitive roots modulo 18. Please provide Handwritten answer. Prove that if G is a connected graph, then for any A E N. P(G, X) <X(X – 1) "(G)-1 Show that the converse is not true. Answer 6 questions below. All answers are integers and will be used in Part 2. (1) How many rectangles are in the figure below? (1 point) (2) A test data set of a recommendation model consists of 5,00… pls answer this. Activity 1. Is mathematics discovered or invented? Explain. 2. Look around you. Find at least five figures in nature and identify the pattern/s that it possesses. Exercises: A. Find t… 2 Points] DETAILS BBUNDERSTAT12 4.2.027.MI. In his book Chances: Risk and Odds in Everyday Life, James Burke states that there is a 72% chance a polygraph test (lie detector test) will catch a person … Let p represent “You will help me” and let q represent “I will help you.” Write the statement “If you won’t help me, then I will help you” in symbols. Your escalator rate GIC has annually compounded interest rates of 1.15%, 1.95%, 3.2%, 4.7%, and 6.6% in subsequent years. On a $15,140 investment, calculate the following: a. The amount of interes… In this problem we consider polynomial interpolation on the interval 0≤x≤1. Imagine we are given n+ 1 y-values,y1, y2, y3···, yn+1, and that the corresponding x-values are equally spaced on … To obtain a formulation more robust to outliers, it may be desirable to change the objective to penalize the absolute value of the differences y; – r;, instead of the square difference. The modifie… please help me. 2.3 The picture alongside shows a 3- dimensional view of a cylindrical container that could be used for Height packaging 3 squash balls. (Note: the cylindrical box will need to have a … Question 11 (1 point) Anna’s monthly expenses on food, transportation, and rent are in the ratio of 4 : 3 : 9. If she spends $300 on food, how much does she spend on rent? $225 $689 $675 $900 $725.63 please help. 5- (a) Let {Xn} be a sequence of rv’s with Xn ~ Bin(n, m) with a constant m > 0. Show that {Xx} converges (D)to Z with Z ~ Poiss(m). That is, the sequence of binomial random variables… Please help with this applied math question. In this MATH336 assignment problem, let c, de R". Consider the LP (P) max s.t. d’a < 100 Describe the conditions on c under which (P) would have an… X Meet – ycz-gphi-kwb X Assignment 2 O < > C A classroom.google.com/c/MzkyNTU10DkyNDMO/a/NDE4NTKOODk1NzA3/details A 1 . Solve the following system of nonlinear equations for x, y, and z. x2 + y+… Find the maximum rate of climb given: Weight: 3200 pounds Pressure altitude: 4000 feet Temperature: 30C I wanna know to calculate that? Please help with the solution to this problem. The previous questions now attached for reference. I only need help with questions 4 and 5. . We assume that the field at Nuremberg measured r… soil sand brick wood marble mean 5.33 E +08 7.43E+08 3.40E+08 1.43E+10 1.84E+03 SD sample 5.70E+008 8.52E+08 1.77E+08 3.77E+10 2.07E+03 Variance 3.25E+17 7.25E+17 3.14E+16 1.43E+21 4.3E+06 Communication is an important skill in quantitative literacy. In Lesson 1.2, you learned about a writing principle to be used when writing about quantitative information. Two statements are given belo… For the following graphs please indicate: The type of function being represented The values for the variables in the function (as specified under the type of graph) The equation of the fun… What is the initial value of each relation? Explain the significance of these values in the context of the problem. Math Assignment # 3 1. the choi family owns two cars. Mrs. Choi collects data on the… A 5/8 inch drill bit is too small for a job, and a ¾ inch is too large. What size drill bit should be tried next? Number 1) Number 2) Number 3) Number 4) Number 5). Find 2A + 4B. 9 7 – 7 7 5 A= 1 9 B – 8 -8. Determine A + B and Ax B, if possible. If an operation cannot be performed, explain w… [-/1 Points] DETAILS SCALCET9 6.3.058. The region bounded by the given curves is rotated about the specified axis. Find the volume of the resulting solid by any method. x = (y – 2)", x = 1; a… Help me this question clearly step by step pls!. Question 1. (a) Are the following statements true or false? Justify your answer. (i) If f(x) > 0 for all x E [a, b] with a < b, then ff(x) dx >… In a manufacturing plant, three machines, A , B , and C , produce 40 % , 35 % , and 25 % , respectively, of the total production. The company’s quality-control department has determined that 1 % of th… Thank you!. Due in 2 hours, 51 minutes. Write the slope-intercept form of the equation of the line shown in the graph. 10 10 -9 -8 -7 6 – 5 4 -3 -2 -1 2 15 6 7 8 9 10 P9.1 Draw asymptotic bode Magnitude plots for the following transfer functions. (s-8) a) Go(s)G(s) = $2+65+8 20(s+8) b) Gc(s) G(s) = s(s+2) (5+4) Question 4 > 0/10 pts 9 100 @ Details Let T (t) = < 2t4 – 1, – 2e-3t, 5 sin(– 3t) > Find T’ (t) T’ (t) =. Question 5 > 0/10 pts 100 O Details Let T (t) = < – 2+5 + 4, 4elt, 4 sin(– … hello i really need help on these sums . Q1. In the diagram, A and Bare two points North 4024/02/M/J/06 on a straight… this is engineering mathematics problem(please answer 2-6 question in writing clearly). PDE 2020F_E3_sol.pdf K RDE 2020F_Q5_SOL.pdf X PDE 2019F_Q5_solution.pc x per 2019F_E3_solution.pd X PDE 2020F_Q6… A rational function is graphed to the right. (Assume the numerator of the function is 1.) A. What are the vertical asymptotes? and y B. What is the domain? C. What

Oshess purchased a $75,000 recreational vehicle (RV) with a 40 percent markup on selling price. a. What was the amount of the dealer's markup? Markup amount ces b. What was the ... answer with explanation. Note: Calculation and explanation must be given along with correct option 1. Which of the following fraction is the smallest? a) 19/13 b) 21/17 C) 17/21 d) 7/8 2. Which of the... 0/2 Points] DETAILS Let z be a random variable with a standard normal distribution. Find the indicated probability. (Round your answer to four decimal places.) LO USE SALT P(-2.12 S z S -0.49) = -1.96... How many years would it take for a debt of $10,643 to grow into $13,736 if the annual interest rate is 3.9% with daily compounding? Round your answer to the nearest tenth of a year. a motor armature is to be turned to a diameter of 9/16 inches. express this diameter in centimeter. La ecuación de la demanda de un producto es p=400-q2 y la ecuación de la oferta es p= q/60 +5 si el precio del mrcado se establece como el precio de equilibrio Graph theory problem . (a) Is (0, 1, 5, 4, 4, 4, 6, 7) the parent sequence of some tree? Explain. (b) Find the tree T whose Prufer code is (0, 1, 5, 4, 4, 4, 6, 7). Verify that you found the right t... how to get equation 2 from 1 explain step by step . Solve of (1) – Xt = o 89 (1) B. C (1) CA = CAR at r = R CA is finito at r = o The final Solutizen CA (R Sinh dr Eg (2) CAR Sinh X R Formulate a Linear Programming model, and solve it on Excel using the Solver. Please attach the excel file to this question.. Pristine Carpet Company is one of the leading carpet producers in the regi... Explain how to interpret the value of the correlation coefficient. (2 marks) The average of five numbers is 125. If four of the numbers are 119, 132, 135, and 102, what is the fifth number? grade 12 advanced function. Q. solve each equation.. 5) 6* = 29 (to 1 dec. place) 4 9) 2*- 5 = 10(3*) (exact base 10) 2) 7 X – 3 (7 – x) = 0 3 3 i) Jog, x + log,x = log, 81 Determine whether the credit card numbers are VALID or NOT: 4417-5486-1785-6411 5164-8295-1229-3674 2. Determine whether the given is a VALID ISBN or NOT. 978-0-281-44268-5 978-0-671-... Current Attempt in Progress Divining dimension . If a fractal object requires N = 9 copies to construct a version scaled up by a factor of S = 7, what is the dimension of the object? Round your ans... the value of a car is decreasing by 8% each year if the car is worth 12 , 000 today what will it be worth in 2 years A universal statement asserts that a certain property is_______ for _____. The cube root of any negative real number is negative. There were 1420 doctors working in a city on 1 January 1994. After n years the number of doctors, D, working in the city was given by: D=1420 + 100n a) (i) How many doctors were there... Consider the line integral (0, 0) f (5x + 2y) dx + (2x — 8y3) dy. (—1, 1) Show that the given line integral is independent of the path. aiyfix + 2V) = |:| = %(2X — 8y3) holds throughout the xy?... The kindergarten class needs some stools. There are 83 legs available in the workshop. Using all the legs, how could Ian and Jennifer make the greatest number of stools with a combination of 3 and 4 l... Question 2: Consider the following optimization problem: min f(x). where f(x) = E |x – ZI]. (2) At x*, we see Z*+, independent of x], ...,x*. Q2.a Describe the stochastic subgradient method for solvin... can you answer this. To bake one cake, Drew uses 18 ounces of flour. He has 850 ounces of flour. Let yrepresent the ounces of flour left and x represent the number of cakes he has baked. When the situ... need some help please. Problem 3: Suppose that X, Y ~ Exponential() are indepen dent exponential random variables. Let R = (X, Y) be the ran- dom vector that results from putting these two random var... If the mean of the first test marks out of 25 of a statistics class is 15.00, s2 = 25.80 and s = 5.08, what are the new mean, variance and standard deviation if they are converted to percentages? SMA Samsung Z Flip 3 reviews (raw data) Perform the text -Parsing procedure sas enterprise miner tools. Question : analyse and interpret the results of this procedure . Results – Nod... what is the answer. Problem 2: It was November 2015 and the president of BG Corporation wanted to find out if the company had enough cash to pay the principal balance of the company's loan worth P4 Mi... Cost per Mile = Number of Miles 1. Alicia Whitman rented a minivan for her vacation. It rented for $67.99 per day plus $0.41 per mile. She used the van for 7 days. She paid $114.20 for gasoline during... Let F(V,E) be a graph with |V| : n. Prove the following are equivalent: (a) 1"(V,E) is a tree. (b) 1"(V,E) is connected and |E | S n — 1. Evan's savings account pays interest of 1.25%. Interest is calculated on the daily closing balance and paid at the close of business on the last day of the month. Evan's account balance on July 1 was ... What are research examples for z test, t-test and ANOVA? what are the variable involved with each and how are they measured? need help with 4a I dont mind if theres just process, need partial credits for this problem 23:35 Laplace and Fourier transforms 1. Write the following code in SCILAB that represents a Fourier series and draw its respective graph. Distinguish the elements of the series. v=1/4+ ((2/%pi)*cos (... the right angles triangle shown has horizontal and vertical sides measuring (4+ √2) cm (2-√2) cm respectively The buyer for Woodward's expects a 13.0% increase in sales over last year's volume of $148,000.00. Last year 21.0% of the sales occured in September. Project the planned sales for the coming September... 1.Compute the total cost per year of the following pair of expenses. Then complete the sentence: On an annual basis, the first set of expenses is ______% of the second set of expenses. S... Consider a binomial experiment with / = 5 trials where the probability of success on a single trial is p = 0.45. (a) Find P(r = 0). (b) Find P(r 2 1) by using the complement rule. Step 1 (a) Find P(r ... Construct a multiple-choice test using Krathwohl's 2001 revised cognitive domain. The weather channel (TWC) is one of the most popular cable TV networks. The number of viewers varies greatly according to geographic region and the current weather conditions. Random samples of cable ... need help with 10.41 and 10.42 please show steps so that I can understand, Thank you . TENSORS 10.40. If A, and B, are the components of two covariant vectors, show that the outer product Cy = AB, a... 57\% of all US households have someone available to answer unsolicited calls. Assuming that households answer (or not) independently of one another, what is the probability that calls to exactly two r... Erin is a doctor and earns $18 400 per month. Erin will be taking four weeks' annual leave. During this time, she will receive 17.5% annual leave loading on four weeks' pay in addition to her regular ... Is the set S = { k such that |W k | < 99 } an r.e. set? Is it recursive? Prove both. Last year, Kevin Simmons purchased a $1000 Washington Utilities corporate bond with an annual interest rate of 8.25% . The bond's current market price is $1070 . Calculate the following. If ... pick any 500 companies of your choice in a seperate exceel sheet, and plot the frequency distribution with the industry name . discuss the nature of your distribution and draw a conclusion. what are samples of visual resource kit, with possibilities for mathematics integration for Grade R? Complete the parametric equations of the line through the point (-7,8,-6) and perpendicular to the plane —2:c—5y—3z= —1 a:(t)= —7—2t ya) = :1 w = :1 A men's magazine surveyed 600 readers about their facial hair. . 85 had a moustache . 49 had a beard . 483 were clean-shaven How many men had a beard and a moustache? Use a Venn diagram and set notati... Please help with the following, it is for my discrete structures class. Thank you in advance.. Question 4 4 pts For the following binary relation allayr <—> 412 + ya = 22 on 2, pick the ordere... Hint : express x, y, and z as functions of a parameter (for example if you use the parameter t, then x=x(t), y=y(t), and z=z(t)). You will get three Euler equations. Continue from there.. Review the g... Consider the following argument. Yassy and Aika go to the library only if Aika not going to the town. If Yassy does not go to the bookstore then Aika will go to the town. Yassy does not go to the bo... Janet Woo decided to retire to Florida in 7 years. What amount should Janet invest today so she can withdraw $55,000 at the end of each year for 20 years after she retires? Assume Janet can invest mon... Smells like team spirit. A losing basketball team at your school has recently suffered a large slump in attendance at games. Suppose, 1200 students attended the first game, 1150 attended the next game... The following data represent salaries, in thousands of dollars, for employees of a small company. Notice the data have been sorted in increasing order. 24 25 25 27 27 29 30 35 35 35 36 38 38 39 39 40 ... Un gerente de ventas reunió los datos siguientes relacionados con las ventas anuales en miles de pesos y los años de experiencia de diez vendedores. Considere X: Años de experiencia; Y: Ventas anua... For each of the following pairs of functions, either f (n) is in O (g (n)), f (n) is in Ω(g (n)), or f (n) = Θ(g (n)). Determine which relationship is correc... – 1 hour 1/19 QUESTION 18 . 1 POINT Deshaun and Marsha sign on a $175, 000 mortgage with a 4.4% annual interest rate for 15 years. Their monthly payment is $1329.81. How much interest is paid in month... Test: Test #2 Question 12 of 13 e price of a carpet was reduced by 80%. If the original price was $110, what was the amount by which the price was reduced? . . . . . e reduction was $ ype an integer o... the answer. ACTIVITY 2 E2 During a sale, every item in a store is 80%% of its regular price. of the regular price of a T-shirt is $10, what is its sale price? 8 – 010 10 8.0 The regular prices of five... Given the quadratic shown below, identify the following things. a. The vertex [1 mark] b. The x intercepts [2 marks] c. The y intercept [1 mark] d. The axis of symmetry [1 mark] 5 0 5 Page | 1 2. F... calculus....z-transformation. Determine z transform of 1.1 & 1.2 1.1 ((-3)*) 1.2 (sinkn} 1.3 Use the first shift property to calculate the z transform of the sequence ly,), with A = o (k < 3) ... Let n be an integer. Prove that n-5 is odd if and only if n^2 -1 is odd. Find the general solution to the linear system of ODEs x' =(_14 fax, and discuss the general behavior of the solution as t —> ion using a phase portrait. Kindly help me answer this question Is the binary relation ≥ complete on the set of complex numbers? please assist. 14 16 17" 2 13 3 13 11 10 A C E q Eulerize the graph above in the most efficient way possible. The weights on the edges represent the cost to duplicate that edge. What is the total... Find ?x/dy by implicit differentiation and evaluate the derivative at the given point: a) ?^2 – 2?^2 = 0 at (1, 1) b) y^2= x^2-4/ x^2+4 at (2;0) 2 Show that the average cosine angle is given by u 3A Take me to the text The following accounts balances were taken from Micro Company's general ledger on December 31, 2016. Account Balance Chalmers, Capital $11,180 Accounts Payable $12,400 Prepaid Expe... (10 points) In a mathematical model, only one of the following constraints should be active (effective). How can this be achieved? (Either-or constraints) 2×1+3×2≤20 5×1-2×2≤15 Given a sequence of points #1, ...,In, isotonic regression seeks to fit a piecewise linear non-decreasing function that is as close as possible to the observed points. To obtain an isotonic regression... Sir i am stuck for this question R=1. (a) Let f (x) = = x+R for x # 2. 2-X (i) Determine the inverse function of f(x), i.e. f-'(x). (ii) Find the function g such that (go f) (x) = In(x2). 1.- PROBLEMA DE ASIGNACION. (UNIDAD III) Un servicio nacional que renta automoviles tiene un excesose un automovil en cada una de las ciudades 1,2,3,4,5,y 6 y un deficit de un carro en cada una de las... A clothing distributor purchases a machine for $184,000 less discounts of 8% and 5%. The distributor then sells the machine to a client at a price, which include: 33% profit on cost and overhead expen... . 10-7. + Two different formulations of an oxygenated motor fuel are being tested to study their road octane numbers. The variance of road octane number for formulation 1 is of = 1.5, and for formul... A mobile marketing campaign has a goal of mobile apps installed on 8,000 consumers' devices. Market testing has shown that the expected CTR is 20% and the engagement rate is 5%. If the CPM for your di... Suppose you are one of 19 people at a dinner party. Find the probability that at least one of the other guests has the same birthday as you and that some pair of guests share the same birthday. Assume... The purpose of this assignment is to apply math concepts from this lesson to common math calculations related to fluid balance in the veterinary setting. Scenario: Karen is tasked with caring for Remi... Question 1. Find the price elasticity and cross price elasticity of a product given with the demand functionQ1 =240−12P1+4P2 whenP1 =10andP2 =7. Question 2. Write down a diminishing returns to scale... There are two types of boxes containing mangoes. each box of the larger type contains 4 more mangoes than the number contained in 8 boxes of the smaller type. Each larger box contains 100 mangoes. Fin... Discuss the following methods in evaluating higher order determinants. 1 Transformation to Diagonal Determinant 2. Provide book reference. Doug has to determine how long he has to contribute in order to guarantee $250,000 in retirement funds, he plans on contributing $600 every 3 months into a fund paying 3% APR. San Juan High School of Moalboal, Cebu Inc. School I.D. 404373 S.Y. 2020- 2021 2nd QUARTER PRELIM EXAM IN MATHEMATICS 9 Name: James Louise T . Violon Section:_St . blaise. Score: DIRECT VARIATIONS (5p... Prisoner's dilemma. Two people are suspected of robbing a bank. They are being interrogated in separate rooms. If both stay silent, they can be convicted of a lesser crime and sentenced to only 06 mon... need help can someone please help. I literally sat here an tried to do this question for over a hour now please someone help. In 1998, the percentage of 18- to 29-year-olds who used the Internet was 7... Annie graphed a quadratic function with the vertex (2, −9) and the y-intercept of 7. Write the equation in Vertex Form for her quadratic function. Let {Px(2)} and {PR(1)}, k = 1, 2, 3, be two primary sources with tristimulus coordinates (7,) and {TK}, and white sources w(1) and w'(1). If a color, C(1), is matched by these sources, show that K... Problem 1 (10 pts). Consider an algorithm computing the SVD A = U ZVH of a given matrix A in floating point, where U and V are unitary, and 2 is diagonal. a) What is the formal statement of the backw... A research team collects a random sample of n observations: y1, V2, ..., yn. The sample average is Vn =- Ziziyi Prove or disprove: Et-1(Vi – Vn)? = Etzryt – nyh. This n problem is worth 60 points. ... Can you teach me how to calculate this?. Question 17 (2 points) Listen Calculate the amount of money that was loaned at 6.00% per annum for 2 years, if the interest charged was $1,296.00 Round to ... asap help. A sprinter can run 319 feet in 11 seconds. Find the sprinter's unit rate of feet per second. O 29 feet 1 second O 29:1 O 29 seconds 1 foot O 319 feet 11 seconds Instructions From the initial equation, (1tin – 1 PVdef = RX i(1 + i)ntd 1. Prove using algebraic manipulations and logarithmic operations that the periods of deferral can be solved using the formula... 10:38 41 0 . gawain7.jpg ZZ ... Pamprosesong Tanong: 1. llan ang quantity demanded sa presyong Php6.00? 2. Ano ang naging pagbabago sa quantity demanded nang tumaas ang presyo mula Php8.00 papuntang P... Grace is going to the carnival that has games and rides. Each game cost $1.50 and each ride cost $2.50. Grace spent a total of $16.50 at the Carnival. Number of games she played was twice the number o... Using an energy-transformation equation, show how energy is transformed for each of the following: (a) A truck is accelerating on a highway. (b) A battery-powered lawn mower is used to cut... I can't understand for this business mathematics question. QUESTION 1 Mr. Helmy received a 120-day promissory note for RM20,000 which matures on 2nd August 2021 with a simple interest rate of 5% per a... calculate the monthly payments for 2 of these options given that interest is compounded monthly. 2. what is the total amount that must be paid for each of the 2 options you chose? 3. In the 2 optio... Some one help?. Problem 1. Let (Q, 3",]P') be a probability space. Recall the RV. X is called simple, if there exist A1, ...,An E 3'" and b1, ..., bn E IR such that X = 2:1 b,]1{Ai}. Note ... ***Please show step by step solutions with formulas and calculations*** Consider 3 payment schedules (3 loans) – (i) pay $1,000 at the end of the first year and $1,000 at the end of the second year (t... Let . Prove that n-5 is odd if and only if is odd. Provide the appropriate proof. Encuentro la pendiente y el intercepto, y determina la grafica de las desigualdades lineales. (5 ptos. c/u) a. 4x – y > 3 b. -2x + 3y < 12 C. -3x – 4y < 24 I Let B = {0,1} and consider the function f : N – B given by 1 ifn > 0, f(n) =) 0 otherwise. (a) Show that for all a, be N: (i) f(a + b) = max{f(a), f(b) } (ii) f(ab) = min{f(a), f(b) } (6 marks) Fr... Apply three iterations of the cutting plane method to miny – X subject to x ty > 1 x < 2 yz ex . A freight company, located in Jakarta, handles shipments by two corporations, A and B, that are located in the same city. Corporation A ship boxes that weigh 3 kg each and have a volume of 2 m cubi... A local furniture store recently introduced price changes for several of the items that it carries. Use the table below to answer the following questions: Item Percent Change Percent Change in Price i... Consider the system -3 3 * = 4 1 x + 0 2 -4 y=[5 0 ox a. (5 pts) Design a full state feedback law u = -Kx + v so that the closed loop system has eigenvalues at -8, -8,-8. (You may use Matlab to ass... Problem 26: (4 points) Partial Differential Equations XIV We want to solve the three-dimensional Poisson equation V2 u = p. (2) in the volume between two infinitely large and thin conducting plates in... (15) 2a. Devise an algorithm that determines whether an integer > 3 is prime or composite. 3 if &x2 X notall Not, prime valves prime else if besides 2, 3 chaked prime b. What is the best O-nota... Question 12 of 20 Payments of $1,700 in 1 year and another $2,300 in 5 years to settle a loan are to be rescheduled with a payment of $1,000 in 15 months and the balance in 30 months. Calculate the pa... Pregunta 1. (4 puntos) Las cantidades ofertadas por dos empresarias del calzado, Andrea y Jessy, para surtir del mismo a una escuela en el interior del pais, estan dadas por las soluciones del siguien... \U I'ICII no} c) Find counterexample to show that the statements are false. i. There exist three integers x, y, 2, all greater than 1 and no two equal for which at" = y'. (2 Marks) ii. V integerm ... Create a spinner or use a virtual one. Spin it 4 times, 32 times and create a line plot for where it lands (should be a total of 32 x's on line plot) and follow the instructions on how to use it in th... Determine whether the equation cos Boot B = sin B – sin B is an identity. State any restrictions on angle B. 7. Prove cach identity. State any restrictions on the variables if all angles vary from ... Develop an expression for an electrical field with the presence of space charge distribution in the domain shown in Figure (using the Green's function method). Note that U is the electrical potential,... Part C: Problem Solving 1. Find the equation of a rational function with all the following characteristics, (4 marks) . It has hole at x = -2 It has a vertical asymptote at x = 3 . It has an x-interce... help me this question clearly step by step!. Question 3. Define a function f : R – R by f (ac) = -72 (a) Show that f is continuous. (b) Show that f is differentiable, and calculate f'(x). (c) Is f' c... please help this super confusing . —38—1 Enter the matrix (1{] —2 —8), using correct syntax. How to enter your answer: The Maple syntax for a 3 x 3 matrix is: Matrix([[a, b, c],[d, e,fl,{g... O Linear versus Exponential Growth (help video available) 1, Bill earns $45,000 per year at his job. His boss offers him a $1400 raise each year as long as he stays. Write a linear model to show this.... fest 1: Solve the following word problems involving quadratic equations. (5pis each) The product of two numbers is 18 and their sum is 9. Find the numbers. 2. Mark and Ben can finish cleaning the back... Any help would be appreciated! I am totally lost . (a) Write out in full the shortest s, t—path IP for the following graph: (b) Some of the constraints corresponding to s, t—cuts in the formul... The door is supported by the hinges along line BC. A force ofT = 340 N is applied to the door at point A and acts along line AE. Point E lies along the midpoint of the horizontal upper edge of the sup... business mathematics. "5 % " is written in a form called Whole Number Fraction Mixed Number Please answer these In ASAP, I don't need any explanation, I just need the answers 1. Which of the following fractions is the largest? a. 2/3 b. 1/2 c. 4/9 d. 3/7 Mark to review later.... 2. Which... Help me with this question Is the binary relation ≥ complete on the set of complex numbers? STATEMENTS REASONS 4(x+1) – 2x = -6(x-1) + 14 Given 4x + 4 – 2x = -6x + 6 + 14 Distributive property 2x + 4 = -6x + 20 Combining like terms 8x + 4 = 20 Addition property of equality 8x = 16 Subtractio... the ones in english. Penyelesaian secara lukisan berskala tidak diterima. Rajan s menunjukkan tiga ABC. Solution by scale drawing is not accepted. Diagram 3 shows triangle ABC B(- k, 3k) A(3, 7) O X C... step by step pleas. Using the following conversion between the metric and U.S. stems, convert the meaurement. Bound your atmwer to } ardnol plocri oi needed There are 4 ounces In a cup, 2 cups in a pi... mathematics economic and business. 5. (a) Plot the graph of the quadratic y = x(10 – x). Mark in the points of intersection with the axes and estimate the turning points. (b) Calculate the points of i... please note: acres is 6,000 . Write the mathematical model and use Solver to answer the following question: Afarm co-op has 6,000 acres available to plant with corn and soybeans. Each acre of cor... Sir i am stuck for this question . (2 points) The following initial value problem is given for modeling the movement of a shock absorber. my" +cy' t ky= F(t), y(0) =0, y'(0) =0 At first the s... There are thirty students in a class. Each earned either an A, B, C, D or F on the final exam. How many final exams must I grade to ensure that at least four students have received the same grade? Just finish part b, I wrote part a just to clarify b. Dunkan donuts makes three types: chocolate, sugar and vanilla donuts. they need to decide how many donuts to produce each morning. Donut produc... Problem 2. Distance measures (a)What is the relationship between the distances obtained from the minkowski distance measures when r=1, r=2, and r=infinity? (Which one is smaller and which one is gr... REFERENCE: SHOWN ABOVE QUESTION: JUST COMPUTE ON PAPER, PLEASE TUTOR. TEST II : COMPUTATION: Give at least 5 each far distance and near distance at you own choice number using short range fo... explain your answer in detail. . The profile below shows the preferences of voters in an election with 3 candidates (A, B, and C). Number of voters Preference 10 C > B > A 8 A > B > C ... A certain V-6 engine produces a maximum of 185 bhp at sea level. Calculate the maximum horsepower at each of the locations below. a. Calgary, Alberta: 3557 ft b. Halifax, Nova Scotia: 477 ft C. Amb... business mathematics. Question 42 (1 point) Last year, net profits of Herd Inc. were two-sevenths of revenue. If the company declared a dividend of$128000 and five-ninths of the net profit was retaine... taxes? 24. Estimating a tire warranty. Chuck bought new tires for the en- Nerd Herd company car that are guaranteed for 42,000 miles. If he drives 11.5 miles each way to work five days a week and ... NCFE Level 2 Functional Skills Qualification in Mathematics (603/5060/X) Tom has an ice cube. Each side is 2.5 cm long. Estimate how long this ice cube will take to melt. 2 (c) The triangular faces... the number of water molecules in 1 gram of water is 3.34 x 10^22, how many molecules are in 25kg of water. Express in scientific notation Question If the probability of a student taking a math class is 0.70, the probability of taking a physics class is 0.30, and the probability of taking a math class and a physics class is 0.15, what is... I Many teachers have a collection of small cubes that can be snapped end-to-end to make "trains" of cubes. The cubes come in various colors. a. Describe how to use snap-together cubes in ... What is the important tool in the field of science, humanities Winding arrows . In each drawing below we have a circle (equator) drawn with arrows as indicated. Compute the winding number of the arrows as you travel once around each of the equators. The windin... Suppose we are training a 2-dimensional linear regression model (P2) min f(x), f(x)=E(a T x−b) 2 . 1. Suppose we apply stochastic gradient descent to solve (P2) starting from x 0 = [0;0]. Suppose we... 0 Question 8 v < > B 0/5 pts '0 65535 8 99 (Let m) = < — 1:4 — 5, t4 — 3t2,41n(3t) > Find a parametric equation of the line tangent to F(t) at the point (— 6, — 2, 4 . 111(3)) ... Use an integral to complete the following problems: (4 pts each) a. Find the area of the shaded region. y = x2; [0, 5] YA 30 y= x2 25 20 15 -2-1 0 1 2 3 4 5 6 X b. Find the area of the shaded regio... You scan the rest of the questions in this assignment and decide it is time to get back to your music career. You are now in a band called The Inclusions. Each song is now defined by a single sequence... I don't get it. 2. Given the same scenario, how many 1/4 inch cubes would it take to cover one whole side of the larger cube How many pigs got Julio if he have 120 and his mother want to cook 30? Give an example of a relation that is NOT a function. Explain why it is not a function. 2. The oven was at room temperature 70 °F. Just after it was turned on, the temperature rose 40 °F per minu... Please provide Handwritten answer. Prob. Consider the die. (xy') + (x y = 0 4 10)= 0, you= 0 The exact sol is y= Jo tux) Bessel fo of I kind ordero where u = 2.4048 Suppose you don't know the exact... Graph the following polynomial function f (x) = 2(x – 4)^2(x + 1) g (x) = -0.5(x – 2)^3 (x -4) Let f 1 , f 2 , ... be a sequence of Lipschitz continuous functions on [0,1] with Lipschitz constant less than one, and f n → f uniformly (i.e. ‖ f n − f ‖ → 0 as n → ?... U1 1 mark each. Attempt any 16 questions. B consists of 20 questions of 1 mark each. Attempt any 16 questions. C consists of 10 questions based on two Case Studies. Attempt any 8 questions. no negativ... Benjamin is a photographer and mostly takes abstract and landscape type shots. During a one week exhibit, Benjamin sold three times as many landscape photos as abstracts. Abstracts sell for $30 / ph... Please give a detailed answer so I can learn from it thanks. 6. just use the formula but with y = 0.025 and n = 6 to get : 150, 000 x0.025 x (1-1/(1+0.025)6) = 27232.50 inual 5. Assume you have a zero... you can get help from chapter 5 topic binomial and multinomial distribution from book Probability and statistics for engineers and scientist Ninth edition. Q 1 (a); A property advisor in a city claims... do it fast. . Compute p (y? – 2?) de + (22 – x2) dy + (x2 – y?) dz, where C is the curve cut out of the boundary of the cube 0 < x < a, 0< y < a, 0< zza by the plane a + y + z = ga (sp... Advanced Math LA207. Describe an affine transformation fo H of-1, where Ho denotes a homothety with the center O E A? and the coefficient A E R, and f: A2 -> A2 is some arbitrary affine transformat... please help assignment 3 question 14. Convert the decimal number (110.75),, to the mini-IEEE floating point format: Sign Exponent Mantissa Number It is possible that the mini-IEEE representation you... Permintaan terhadap sejenis barang berdasarkan hasil penelitian pasar ditunjukkan oleh data berikut: Harga Per Unit (P) Kuantitas barang yang diminta (Qd) 3 5 9 50 40 20 Bila persamaan garis permin... I choose the word liner equation please do as the description. Instructions: . CHOOSE a term from from Chapter 8 Vocabulary List. It must not be the same as another student's chosen word. . Part A: gi... Si la curva de demanda esta dada por la ecuacion Qd+11p=-600 y la curva de oferta esta por 0=11p-150.-Qs a) Halle la cantidad y precio de equilibrio b) construya las gracias que muestran El equilibr... Demonstrate how to use excel to encrypt or code a message using matrices and their inverse. Hi, please help i am not sure how to solve by using Cramer's rule . Solve the following system using Cramer's rule. 3 x1 +5 12 = 5 -I1 – 2 19 = Number = Number Based on the data provided in the table and chart above: What do you notice? What do you wonder? What do you know? Does the data represented above accurately represent your spending habits? Explain ho... Richard needs to borrow $35,725 and has narrowed his search for a loan to two banks. The first bank offers 69-month simple interest loans at an annual rate of 2.4%. The second bank offers 54-month sim... I Question 25 0 out of 1 points Cartons of milk in a store are labeled "2% milk" or "98% fat free." The data for 1 cup of whole milk shows it has 8 g of fat while 1 cup of 2% milk ... A tennis player his a serve. the length from their shoulder to their hand was 1.14m and the length of their racket (from grip to ball contact point) is 0.39m. They accelerated their shoulder at 2016... (6 marks) To find the unique solution 19* E [0, 1] of the equation 11:3 + 83: — 6 = 0, you can try to rewrite the equation in the fixed—point form :1: = 9(3)). You are to choose the function g s... Thank you!. Due in 2 hour Write the slope-intercept form of the equation of the line shown in the graph. 10 -9 -8 -7 -6 -5 -4 -3 -2 -1 2 3 4 5 6 7 89 16 Please answer in an hour! Help Please! Chiz-E-pizza, a family owned pizzeria, is famous not only for its innovative flavors, but also for delivering incredibly on time. However, during the last few we... Let X be a set. Recall that we call P C 900 a partition of X if X=UA AEP and A1 HA2 = 0 for all A1,A2 E P with A1 #A2. Prove the following: (a) For each x E X , there exists A E P such that x E A. (b)... Determine the domain and range of the quadratic function. f (x) = -2(x+9)^2-7 Enter your answer in interval notation. To enter ∞, type infinity. Domain: Range: next number in inductive reasoning. 1, 4, -9, 16, -25, ? can someone help me understand what G.M.C is thanks A child builds a tower of 13 identical cubic building blocks. The total height of the tower is 72 cm. Find the height of one block, in cm, giving ... Restate the below standard maximum problem as a canonical minimum problem. Find the optimal interger solution using Gomory's Method . 51x, + 50×2 + 50×3 < 100, x; 2 0 150x, + 100×2 + 99X3 = max. Un recipiente rectangular de almacenaje con la parte superior abierta tiene un volumen de 10 m 3 , donde el largo de su base es el doble del ancho. a) ¿Cuál es la variación (incremento o decremento... Shining Printing House, owned by Angel, had the following transaction in February 2016. Feb 1 – Angel invested the following: Cash in bank P300,000 Printing e Pu6ip0m0,e0n0t0 Binding eq uPi1p5m0,e... Consider the following directed graph (left) and its underlying simple graph (right). g (a) (6 pts) What are the strongly connected components of the directed graph? (You can just circle them if yo... Table below gives the values of tanx for 0.10 S x 5 0.30. X 0.10 0.15 0.20 0.25 0.30 y = tan x 0.1003 0.1511 0.2027 0.2553 0.3093 5. tan(0.12) will be (a) 0.0205 (b) 0.1205 (c) 0.2662 (d) 0.3662 6. ta... Please show all work!. Let X be a set and A, B C X. Prove the following are equivalent: (a) ACB. (b) X – BCX -A. question 1 Question 2 question 3 . This the the FISCAL 2020: Q3 RESULTS of Darden Restaurants. Below the table you will find a series of statements/questions to be completed/answered.... Can I please get help with this math assignment for questions 2,3 and 4! Please show all your work for the questions. Thank you . [4 marks] 0 3) Is it possible to have a pipe with an outside diameter... Consider the set A = {&, %, $, #, @}. Choose a subset of A, and write it in list form. Write the power set of your subset. In your own words, discuss how the power set you created in part (b) re... 1)Solve the system of equations. Give your answer as an ordered pair (x,y) {y=6 {3x-5y=-9 2)Solve the system of equations. Give your answer as an ordered pair ((x,y) {x=1 {6x+4y=-6 3)Solve the sys... Sir i am stuck for this question . b ck + 1 Calculate V k = a d with a=5, b=22, c=1 and d=3 Round your answer to the second decimal. (for instance, 3.232 gives 3.23, 4.756 gives 4.76). The decimal se... A car worths $70 000 now and its value depreciates at a constant rate of 15% per year. Find the minimum number of years for the value of the car to depreciate to less than $36 600. please assist. STION FOUR Melisa wants to buy a laptop which costs R10 790. Since the does not have the ful amount of money to pay Gosh, she makes a deal with the seller. Melisa will pay 15% of the pr... question 3 and 4. 2—11 FOURIER TRANSFORMS BY INTEGRATION Find the Fourier transform of f(x) (without using Table III in Sec. 11.10). Show details. 2f" {em if —1<x<1 . x = 0 otherwise 3f() ... Choice 2: Demonstrate how to use the HLOOKUP function in Excel. This is similar to the VLOOKUP activity from Tutorial/Workshop #7. Use the worksheet labeled "Hlookup". Part a: demonstrate us... Sir i am stuck for this question . 2 4) [13 Points Total] 1 4x -1 (a) Use the Midpoint Rule with n = 2 to find the approximate value of dx. Write your 4x + 1 answer as a single fraction. 1- 0= 1 / 2-... please provide an in depth solutions to these questions. Question 3: Describe the subdifferential of the function g : R* => R defined as g(x) = |- x1 + 2×2 – 23. Question 4: Consider the problem n ... A $1000 face value, 7.6% coupon bond pays interest on May 15 and November 15. If its flat price on August 1 was $1065.50, at what price (expressed as a percentage of face value to the nearest 0.01%) w... for thie partice question there I have some idea couldyou help to. (7) Let I be a line through 0 in R and a > 0 be any angle. Let Fi be the reflection nin I and Ra be the rotation by a around 0. ... Hello I'm in need of help in calculating grades. Specifically g.p.a., I've included all my grade and g.p.a for all terms leading to fall semester. I need to know how bad my g.p.a will be effected ... This is for aerospace and aeronautical engineering question. A training aircraft must be loaded to be within the utility category for a spinning exercise, which for this aircraft is defined as having ... Please do not copy from other links or websites. The solutions on other links and websites is incorrect.. Problem # 3 "Alternative theory of solving linear systems." Consider non-autonomous lin... For the following graphs please indicate: • The type of function being represented • The values for the variables in the function (as specified under the type of graph) • The equation of the fun... math subject. 1. An equation in one variable of degree 2 that can be written in the standard form, ax? + bx + c = 0 where a, b, & c are real numbers and a # 0. a. Linear Equation c. Quadratic Equa... (20 points) Using a subset of the BRFSS data (so you can do this question without R), the following coefficients are estimated in a logit model where FluShot depends on Age, Age^2, $Female$, a... Consider the competing species model it = =(a1 – bix -cry) dy dt = y(a2 – bay – c2x) Recall that all the parameters are positive. Apply Dulac's criterion with the weighting function B(y) = – to show t... to find the answer. (c) Gambar foto di bawah menunjukkan sebuah kotak biasan yang berbentuk kubus. Setiap luas permukaan kotak itu jalah 2500 mm. The photo shows a decorative cubic bar. The area of ea... Question # 53: Consider the following data set: ———I- f (as) —0.16134 0 0.24134 for a function f (23.)For these data values answer the following, and write all your results up to five decimal ... Refer to Exhibit 3. the accounting for lPhone sales under old "subscription accounting" standard. Describe and justify the complex journal entries of sale of a phone under at the sales quarter ... help me with how to know what to count on the double number line . Date Mr. Miles walked – of the trail to warm up and then faction of the trail did Mr. Miles cover on Tuesday 70 145 advanced grade 12 functions. A 18 SKETCH A GRAPH OF THE GIVEN FUNCTION SHOWING ALL THE RELEVANT CATEGORIES USED IN CLASS 6 a) y = x c2+ 2x- 3 10) 4)=25+x-9x-9 27-4×3+ 472 step by step. -8 -7 -6 -5 -4 -3 -2 -1 0 1 2 3 4 5 -1 2 rise = run = Show that the given set has a cardinality of ℵ 0 by establishing a one-to-one correspondence between the elements of the given set and the elements of N . {1, 1/5, 1/25, 1/125, ..., 1/5n-1,... Hi, I am in difficulty when I kept trying to do this question. Could you give me a help to solve this question? Thank you so much. <Reference>. Theorem 3.2.11. For any positive integ... (20 Points) Consider the process Xt = t' + (t + +3)S + Zt, in which St is a deterministic process satisfying St = St-a and St + .. + Sitd-1 = 0. (a) Consider the seasonal difference Va = 1 – Bo, ... 4.2 – Assignment – Common Factoring 1. Factor by grouping a. 4m2 + 3m + 9 + 12m b. 16×2 -12xy – 12xy + 9y2 c. 4ab2 – 12a2b – 3bc + 9ac 2. Common factor the following: a. 11xy – 9xz b. 4k – k3. C. ax2z... total medals awarded? columns. You may add the reasons for your choices. [Don't confuse (3 marks) rows with columns.] In answering Question 13e, just state ONE formula you would use to get the Grand T... I NEED HELP 1) 2). Provide what is being ask in each item. Write the equation of variation of the following problems and solve for the unknown. Give the Constant of Variation: If r varies directly ... Math 11. Activity 2. Challenge yourself A. State the domain of the following rational functions. 1. f (x) = 77 (2x-9) (x+1) 4. f (x) = 2(x -3) x3 – 1 3+1 2. f (x) = 4x (x-2) (3x-1) (4x+2) 5. f (x) ... Yesterday Luke paid $41.34 for 53 L of gas. Last week he paid $37.68 for 48 L of gas. When was the gas cheaper? Question 7. 2-11 FOURIER TRANSFORMS BY INTEGRATION Find the Fourier transform of f(x) (without using Table III in Sec. 11.10). Show details. elix if -1<x<1 2. f(x) lo otherwise if a <x <... What are the new things that you learned about the nature of mathematics? Wanjiku pays for a car on hire purchase in 15 monthly installments . The cash price of the car is ksh300000 and the rate is 15% p.a. A deposit of ksh 75000 is made calculate her monthly repayment Solve the following problem.. Find a. simple formula. (no summations involved) for the sum of the entries of the Pascal's triangle inside the upper 11 >< n rhombus. For example, for n = 3, you... (B.) For the Quantitative Variables (1) Choose 1 variable and create a frequency distribution. Describe the features of your variable, (i.e., maximum value, minimum value, and other important c... one difference between natural language and mathematical language is the degree of precision necessary in communication. slight errors in the use of natural language do not totally destroy the effecti... Una determinada cuerda de acero de guitarra eléctrica tiene una longitud de masa por unidad de longitud de 1.93 g/m. a) Si la tensión de esta cuerda es de 62.2 N, ¿cuál es la rapidezde onda de la ... Use the information below to answer all questions: At a large company, the attitudes of workers are regularly measured with a standard test. The scores on the test are from 0 to 100, with higher score... You saved $260 on your new laptop because you brought it online. If it was a 5% savings from the original price, what was the original price of the laptop? Bob is a recent law school graduate who intends to take the state bar exam. According to the National Conference on Bar Examiners, about 62% of all people who take the state bar exam pass, Let o = 1, ... 3 a) Convert 0.15147151471514715147... to a fraction in lowest terms. b) Convert 41/333 to a decimal 4 Norbert has 4 matchboxes for ever 7 Dilbert has. Together they have 132. How m... Fill in the blank The Kitty Genovese case was cited as an example of bystander effect, a phenomenon which could be reduced to the "mathematical" theorum: _____________ PROBLEMS FOR SECTION 4.3 1. There are 31 envelopes with 3 stickers in each envelope. Seyong calculates the total number of stickers by counting by threes 31 times. Natasha adds 31 + 31 + 31 = 93 inste... Can you show me how to slove problem so I can know how to do it on my own?. 9) Below the table/graph, answer (in full sentences) question #2: Question 2: In 2014, there were 161,809,242 females in the... Scores on a university exam are Normally distributed with a mean = 90 and a standard deviation = 12. Using the 68-95-99.7 rule, what percentage of students score below 66? Select one: a.32% b.16... Analyze the stability of the equation dy(t) = -3y(t) (2) dt for a second-order Runge-Kutta method (use the Midpoint Rule as your choice), an Adams- Bashforth two-step method, an Adams- Moulton two-... Can you solve this question in-detail I have trouble understanding it!. 2 pdf.pdf - Adobe Acrobat Pro DC (32-bit) X File Edit View E-Sign Window Help Home Tools Engineering mathe... pdf.pdf X Subscrib... [-/1 Points] DETAILS BBUNDERSTAT12 4.3.011.MI. Barbara is a research biologist for Green Carpet Lawns. She is studying the effects of fertilizer type, temperature at time of application, and water ... . . Jr2 — 6x + 2 b. Gwen the equation —4 = —2x + 5 . Use technology to determine the solution x _ graphically (round to the nearest tenth). Explain your steps and include a sketch. (2 marks). c.... How many digits are there in the integer equal to 115^115? In how many ways can 5 pizza toppings be chosen from 12 available toppings? Question #1. Marshall borrowed $4,859 from Ted to be paid back in 6 years. For the first 4 years, the interest rate on the loan was 3.5% compounded monthly. After 4 years, the rate became 3.3% compoun... Question 15: Assume that the one-year interest rates for USD and CHF are: rUSD = 5% and p-CHF = 2% and that the expected spot rate at t = 1 is E (X #$/'s) = 1.12, what is the short-run intrinsic valu... the object dropped at 16ft.in first second and 80 ft.third.second how many feet would an object fall in twelfth second For what values of the vector~i +~j +~k and ?~i ?~j ? ~j are perpendicular. maurell real. Solve the following problems. 1. Determine whether each pair of statement is logically equivalent. a. pv (p*q) and p b. ~(p – q) and (~p) – -q 1 pts (K'x) y KE XA O True O False Submit Show that the following sentences are jointly satisfiable: 1 pts 3x (F(X) A -G(x)), G(a) v -3xH(x) , vx(G(x) > H(x)) Domain: 0 F(): G(): H(): a: 0 Submit C... Please check all math to see if everything is correct and if can be put in excel? Thank you It is now September of 2022, and the daycare center has been successfully operating for 8 months. The ... Please help to solve problem 3. AMS 518 HW3 September 2020 Loss is defined as a function /(x, y) of a decision vector & E X C R" and a random vector y (Y CR". Definition 1 (CDF) We supp... mathematical induction (2 2 − 1) (3 3 − 1) . . . (n n − 1) = n 1 n>0 JL has P1,000,000.00. He plans to invest it and wants to grow his money to P2,000,000.00 after 5 years. At what interest rate should he invest his money to reach his goal amount? Please refer to the image, this question has time limit, answer as fast as you can!. Question 2 Solve the inequality Not yet answered x+4 Marked out of 2.00 Select one: Flag question O a. x is greater... Part B: Application 1. Express each of the following as a single trigonometric function, and then evaluate it. Use the exact values of the specialty triangles. (3, 3 marks) 2 tan 4 1 TI 4 7 12 a) sin ... evaluate the following definite integral. 1. (9.21) Evaluate the integral, Jo 1- 2a cos 0 + a2 (Note: consider both the cases a > 1 and a < 1.) questions 1. show that the reconstructibility takes the form . Again from Theorem 6.2, we see that (6.8) is controllable if and only if R(A") CR(B, AB, .. ., A"-B]).. (A, B) is reacha... You work for a contracting firm and they will be painting an unusual room that has the following width and height (in that order) measurements for each wall: Wall 1: 18.7m x 3.5m Wall 2: 19.2m x 3.5m ... please help me to answer 2(a) as soon as possible. tq. 2. Given f (x) = | sin(x) |: (a) Find the Fourier cosine series of the function f (x) in the interval (-T, T). (b) Use the solution from part 2(a... Un préstamo de $4000 se va amortizar por medio de 8 pagos mensuales iguales. Hallar el valor del pago mensual si la tasa de interés es de 34% capitalizable mensualmente. Elaborar la tasa de amortiza... In a community of 800 households (population 4320), public health authorities found 120 persons with condition X in 80 households. A total of 480 persons lived in the 80 affected households. Assumi... On Monday, 12 people took 5 hours to clean a number of cars. On Tuesday, 15 people Cleaned the same number of cars. Assuming that all the people worked at the same rate, (a) work out how many hours th... A cube measuring 3 cm on each side holds about 450 dry beans. Approximately how many beans would fit a box with dimensions 12 cm x 20 cm x 10 cm? 1,080,000 800 40,000 360,000 When the Quantum Physics teacher corrects the exams, he finds that the vast majority of the students are outstanding, and he begins to think about the possibility that the exam statement could be r... I don't know.. Time left 1:21 Use the information below to answer this question Caffeine (mg) 160 120 80 75 72 65 Time (hours) 0 1.2 1.5 2.0 2.4 3.0 4.0 The amount of caffeine in a person's blood was ... sir i am stuxk for this question. 8. (8 MARKS) Assume that u and v are vectors in R3 with | 7 || = 1 and || || = 2, and the angle between u and v is ". Compute | 27 – 371|. Pls kindly just select the right answers, no need for explanation. I'm time conscious. Thanks. Of The population of winnemucca, Nevadas canbe modeled b P = 6191 /1 04) where t is the number of years ... calculus complex variables. QUESTION 1 BASICS CONCEPTS 1.1 Write the given number in the form of a + ib (1+i) (1-2i) (2+i)(4-31) (4) 1.2 Compute the indicated power (+=1) 10 (4) QUESTION 2 2.1 Sketch ... State your proposed topic and the rationale for your choice. State your topic question or hypothesis. Include survey questions, outline of experiment or source of data. Topic Examples: The higher t... 6 years ago Mary purchased shares in a certain mutual fund at Net Asset Value (NAV) of $97. She reinvested her dividends into the fund, and today she has 9.5% more shares than when she started. If the... Arguments on why mathematics should not be taught in the primary grades Hi can you help me solve this question. PROBLEM 1: SKETCH v(x) =x*+ 8×3+ 16×2 a) Sketch the function above by HAND and show ALL WORK! . X-intercepts . y-intercept . Degree EB What is a lower-bound and upper-bound for the RIP of a matrix? Grades assigned by an economics instructor have historically followed a symmetrical distribution. Grade A B C D F Percentage 5 25 40 25 5 A sample of 150 grades revealed the following: Gra... 1:] fl e221 H12! For 3:31, find an appropriate number of terms. to estimate exppr.) with an error less than 0.005. (a) The company wants to minimise costs. Solve the problem and find the optimal number of motors, wheels and frames that should be bought and that should be produced by the company itself. Los 40 alumnos de una clase han obtenido puntuación sobre 50, en un examen de física 3 15 24 28 33 35 38 42 23 38 36 34 29 25 17 7 34 36 39 44 31 26 20 11 13 22 27 47 39 37 34 32 35 28 38 41 48 15 3... solve this please. Section 3.4 53 A coffee manufacturer is interested in blending three types of coffee beans into 10,000 pounds of a final coffee blend: The three component beans cost $2.40, $2.60, a... 1.Use RPM to multiply 14 by 42 2. Write 241 as a sum of powers of 2. 3. Is 8055 divisible by 9? 4. Give the absolute and relative error when converting 1/4 to a decimal rounded to the tenths 5. Wr... In the least-squares line y = 5 – 7x, what is the value of the slope? When x changes by 1 unit, by how much does y change? O When x decreases by 1 unit, y decreases by 7 units. O When x increases by 1... Dear Sirs, WordQuant University Quantitative Proficiency Test I see you have different payment options. My askings are: 1) 40 questions? the relative solutions are identified with a green thick or ... A prescription in which 3 ml of lactulose of given orally twice daily will require how many ounces to last at least 30 days? 3 6 90 180 Canines are dosed with Enacard at 0.5 mg per kilogram once daily... Rational function grade 12.. #4 Assignment – Rational Functions Date : Name : For each function listed belser , determinne the ax- and y- intercepts (ifany) b) Vertical Asymptotes and/or Holes (if ... Show me the formulas in excel too. Thanks.. Locate the first nontrivial root of sin(x) = x2 where x is in radians. Use bisection with the initial interval from 0.5 to 1. Perform the computation until ... Please provide Handwritten answer of. Given the function F: Co, TJXIR – 1R that is @ positively homogenuous of degree (r – y Continuous and take fox,s)= Give an example for the function and Find (I 2 ... Here is a graph of the function g. J' Use the graph to find the following. If there is more than one answer, separate them with commas. (a) All values at which 3 has a local minimum: III {b} All loc... Please help with this applied math question.. In this MATH336 assignment problem, consider the LP: (P) min (-5, -7, -5)r 2 3 4 5 6 16 0 09 s.t. IVIVIAIA -J 8 T1, 12, 13 0. (a) Write the dual (D) of th... I need answers. Select Yes or No to indicate whether the situation can be represented by a negative number. Sherri lost 51 points answering a question wrong. The peak of a mountain is 1,719 feet above... Please help with this linear algebra proofs question. In this MATH336 assignment problrem, we aim to provide a review of some important concepts in linear algebra that we'll need later on in this cour... (a) If, then Based on the above recursive definition, describe P in one sentence. (b) (0 , 0) ∈ Q If (s , t) ∈ Q , then (s + 2 , t + 3) ∈ Q and (s + 3 , t + 2) ∈ Q Write dow... Q4. Linearize the following equation: d2 x dx dtz + 2 dt + 2 sin x = 1+ of(t) for small excursions about x = 1/6. a. Write the differential equations for the system. b. Write the state equations C. In... I used to think that the language and the grammar of mathematics are The problems in this section will practice solving systems with repeated eigenvalues. 3. Find the general solution of the system of equations. Describe how the solutions behave as { + co. (a) x' = X (... Statistics. The table given below is a probability distribution of a random variable X. X P(x) 0 0.1 0.4 2 0.4 3 0.1 Based on the table answer the following questions. a. Find P(2 or fewer) b. Find P(... Nuptial inc. paid the rent for the next six months. Which of the following account titles will be debited? A. prepaid rent B. rent payable c. rent revenue D. rent expense Bring instructional software on Mathematics. Explore its feature. Make a list of its features its strengths and weaknesses Please provide Handwritten answer. Use the fact that \bF = (2x + 3cosy) \bi + (r – 3rainy) bj. is a gradient vector field to evaluate the line integral 1-CF . abs along a smooth curve C in the plane f... Describe these techniques for performing information modeling: a.) Logistic Regression b.) Linear Discriminant Analysis c.) Partial Least Squares Linear Discriminant Analysis d.) Penalized Models e.) ... Please provide Handwritten answer. 10. Prove that for n > 1 (for large enough n) the probability of a permutation, randomly chosen from Sn, not containing a cycle of the length at least n/2 is clos... Calculate (i) lim sup {(- 1)"(1 + n-1); (ii) lim inf {(-1)"(1+ n-)} n-+ 00 n -+ 00. and show that these are not the same as the numbers sup (- 1)"(1+ n-') and inf (- 1)" (1 + n-1).... Give your answers to four decimal places (for example, 0.1234). (a) Find the area under the standard normal curve to the right of =z−0.45 . (b) Find the area under the standard normal cur... (4) A random variable X has zero mean and finite second moment of. It is observed as Yn with some error Zn, where Zn is WN independent of X with second moment of, with observation being Yn = X + Zn. (... Question 13 (2 points) The rational function C(x) = 156x 0 s x < 100 100 – x describes the cost, C, in millions of dollars, to inoculate x% of the population against a particular strain of the flu.... The steel, or Ispat, industry is a large industry employing millions of people in a variety of management jobs and skilled and unskilled labor jobs. Bharat Ispat is a large steel maker. They are facin... ne Quiz (optional) Remaining Time: 02:15:50 Consider the integer N represented in two's complement by the bit pattern (1111 1101 0000 0110) on 16 bits. The inserted space is to make it easy for you to... (20 pts) Construct a deterministic finite state automaton that recognizes the set of all bit strings ending with 01001. Here is another example of the partial quotients division algorithm. Work with a partner and unpack this approach Explain line-by-line what the child did. Link the numbers above the dividend to the... Use Python to evaluate the J 1 (5 . 4) using the Trapezoidal rule. Find the smallest possible N so that your error when compared to the Python function is approximately 1 0 − 1 6 .. (Bes... art C: Written Response 2 1. If log b = 0.5, then solve loga Vb + loga a (3 n b 4.3 – Assignment – Factoring Trinomials of the form ax? + bx + c, where a = 1 1. Factor the following if possible. Note: Some of the questions will be of the types you did in previous lessons. Also, n... Compute the following integral. e d' /kx? [H(x – 't) – (2 – 2t -1/2)]dady m m Where H is the Heaviside step function, defined as: H(a) = 0 if a <0 H(a) = 1 ifa > 0 Please show all work!. Let X, Y be sets and f : X -> Y be a function. Prove the following are equivalent: (a) There exists a function g : Y -> X such that go f = Idx and fog = Idy. (b) f is bije... A croissant shop has 8 different types of croissants that come in packages of size 3. Additionally, there are 5 different types of gluten-free croissants available that only come in packages of size 6... (4 points) ANSWER ALL OF THE FOLLOWING QUESTIONS ON YOUR PAPER. graph of the function is provided below and you do NOT need to copy it with accuracy to complete this question — a sketch will do fine.... In an experiment, a student brings up the rotational speed of a piece of laboratory apparatus to 102.9 rpm. She then allows the apparatus to slow down uniformly on its own, and counts 40.8 revolutions... answer this. Dogs have an average o 10" hairs on each square inch of skin. If the bock of a dog is 24 square inches, approximately how many hairs are on the dog 's back? If Liam's salary of $4,850 per month is increased by 1 1/4% what is his new monthly salary? i got 6062.5 is this correct? If you are able to solve, can you please add explanation to your steps. Thanks in advance! Quick response needed. . Exercise 1) Consider the following LP: max (1, -2, 0, 1, 3)x s.t. 1 -1 2 -1 0] 2 0 ... a die is thrown 120 times with the following results showing all steps clearly, test whether the die is fair. (i) at the 5% level of significance The following table shows the number of internet hosts (computers that store web pages) since 1993. Use technology to determine both quadratic and exponential regression equations. (Hint: Use 1993 = y... PLE Mr. and Mrs. Thompson set up an investment program using an annuity due with payments of $500 at the beginning of each quarter. Find (a) the amount of the annuity and (b) the interest if they make... (a) Use Regular Perturbation theory to solve y = Vere', r > 0, y(0) = 1, 7/'(0) = 6, where 0 < <1. (Note: Week 5 lecture material may be helpful here for a mini-review on solving ODEs... Given 17 books, how many different ways can they be ordered? . Sign in – Google Accounts X Checkout | eBay MI Inbox (17,144) – cindyleandre@> >Deep Focus – Music For Studyin x En Direct | Premye Okazyon 1 X Academ C webassign.net/web/Student/Assignment-... Solve question 9 first, and then check question10 for me. Thankyou. . Thinking/Inquiry/Problem Solving-10 marks 6 9. When 2×3 + x2 – 2kx + f is divided by x-1, the remainder is -4, and when it ... thankssssssssss. Q5: A bar of length 2m is fully insulated along it is a side. It is initially at uniform temperature of 10 'C at t = 0. The ends are plunged into ice and maintained at a temperature o... romberg algorithm. 11. Using Equation (2), fill in the circles in the following diagram with coefficients used in the Romberg algorithm: R(0.0) O R(1,0) R(1, 1) R(2,0) R(2, 1) R(2,2) OO OO OO R(3, D)... I have 30 min to solve this??. QUESTION 3 1 points Save Answer How long will it take to give a whole blood transfusion of 60 ml at a rate of 2 ml/min? 30 hours 3 hours 1/2 hour O 2 hours QUESTIO... Math as a Mental Abuse To Humans 1. Why would you want to discuss that topic or issue? 2. What motivated you to pursue that project entitled Math as a Mental Abuse To Humans? 3. What are the existi... Write the following system as a matrix equation and solve using the inverse coefficient matrix. Note: You need to show how to get the inverse matrix. . XI – X3 = 2 2X, – X2 = 3 X1 + X2- 2X3=4 Pregunta 3. (6 puntos) Pamela dirige un negocio que consiste en elaborar vestidos de gala para fiestas de promocion o de fin de ano. Pamela trabaja con costos fijos de S/27000, costo de produccion por... A sprinter starting from rest on a straight and level track is able to achieve a speed of 11 m/s in a time of 5.4 s. What is the sprinter's average acceleration? ______________m/s 2 assignment 2 number 15 . Find the decimal number represented by 100000 when it is interpreted in each of the following 6 bit representations Unsigned Binary Number Two's Complement Number Excess 32 N... I am struggling with both parts a and b of this question.. 1. We saw in class that a separable linear, shift-invariant system could be imple- mented more efficiently than a normal LSI system. A simila... (a) Make a frequency table using the class boundaries 23.5, 69.5, 115.5, 161.5, 207.5, 253.5. Class Boundaries Frequency 23.5 69.5 35 69.5 115.5 0 115.6 161.5 0 161.5 207.5 0 207 5 253.5 (b) Look at t... Sue-Ann drives 2km east of her home to meet her friend Ellen. From here the two friends drive 5km south to meet with Brad. From this point the three friends drive 9km north, 2km west and finally 9km s... 8thgrade math. 13. In square ABCD, side AB is parallel to side CD. IF the rectangle is translated 4 units to the right and 3 units up to A'B'C'D', would side AB still be parallel to side CD? Explain y... . Find a minimal line-cover and a maximal matching for H = . Interpret H as a 0/1 matrix 0 0 1 0 1 1 0 0 0 1 1 0 1 0 0 0 1 1 0 1 for a cop and robber game and explain an optimal strategy for the cop... . Objective Cell (Min) Cell Name Original Value Final Value J6 Cost per person Total $5,810,192.31 Variable Cells Cell Name Original Value Final Value Integer B4 Solution $1 O 350 Contin C4 So... Problems P1.15-P1.16 illustrate the effect of round-off error adding numbers Help mee please. Solve the following: 2.342 x 1.23 2 2.8 a) Exactly: b) To 3 d.p.: c) To 4 s.f.: Hello. I need help with this.. 4. (10 points) Let A, B, C be nonempty sets. Give a counterexample to the following statement: If A x B and A x C have the same cardinality, then B and C have the same c... Eight different flavors are analyzed in a blind ice cream taste test. A participant is given four different ice cream samples and asked to sort them based on preference. In how many different ways can... The average depth of a bay is 305 feet. Climatologists were interested in seeing if global warming were affecting the water level. Fifty-five measurements over a period of randomly selected weeks yiel... Please? :). Show intro/instructions Ariana is traveling to Mexico and needs to exchange $490 into Mexican pesos. If each dollar is worth 11.71 pesos, how many pesos will she get for her trip? pesos. P... Solve the system of equations by graphing. 2x – 3 y=2 y=2 Square Peg in a Round Hole _ What is a better fit, a square peg in a round hole or a round _ peg in a square hole? Please! :). Washing his dad's car alone, Scott takes 7 hours. If his dad helps him, then it takes 1.5 hours. How long does it take Scott's dad to wash the car by himself? hours Preview Points possible... Consider the following project by using the table given below: Activity Time (days) A 12 B 4 C 4 D 10 E 8 Question 1). Complete the table below and state the project completion time: Activity ES EF L... Bob is a recent law school graduate who intends to take the state bar exam. According to the National Conference on Bar Examiners, about 62% of all people who take the state bar exam pass. Let n = 1, ... At General Hospital, nurses are given performance evaluations to determine eligibility for merit pay raises. The supervisor rates the nurses on a scale of 1 to 10 (10 be highest rating) for several ac... Make a children story, or fairy tale, etc,.. that applies those math principles throughout the plot of the story: Other Problem Solving with Combinations Permutations with identical objects Pascal's t... Indicate whether the following variables are Quantitative or Qualitative. 1. The height of a plant between 2015 and 2020. 2. Color of Professor's shoes 3. Volume of water 4. Your height (in cm.) 5.... Express the given fraction as a percent. 40 "/o (Round to the nearest hundredth as needed.) ID: 10.1.9 Express the given percent as a decimal. 1 _n 2/» (Round to five decimal places as needed.)... Can you provide the definition of all of the following foundational algebra terms: Closure Property Associative Property Communicative Property Distributive Property Identity Elements Inverse Elements Russell has a collection of 1,200 pennies. Of these pennies, 25% are dated before 1980, 35% are dated from 1980 to 2000, and the rest are dated after 2000. How many pennies in Russell's collection a... perturbation method problem 2.35. Introduction to the Foundations of Applied Mathematics by Mark Hayden Holmes (z-lib.org).pdf – Adobe Acrobat Reader DC (32-bit) X File Edit View Sign Window Help H... Give a definition of strict ordering over integers using subtraction. Show that this definition is equivalent to the order definition we want to prove that if a simple graph has degree sequence 2, 2, 2, 1, 1, 1, 1 then it must be disconnected please provide proof and graph if one is created Calculate the amount owes for electricity used on 1 October 2018(668,96) VAT excluded..Note VAT 15%? Betty got a personal bank loan for k1450 for 15 years at flat rate.. The bank charged her k150 monthly repayments.. cslculate the rate of interest charged to the nearest percentage.. I need help with step by step solution. Math 121 2. (24 pts) Convert each decimal number to different base. (a) 367, to its binary form (b) 72.7825 to its binary form (c) 349.375 to its octal form (e)... You are told the initial temperature of the material(second column) and the decimal reduction time for a microorganism at that temperature (third column). Using the set of data, you are to calculat... En la fabricación de un producto, los costos fijos por semana son de $4000. Si la función de

costo marginal es: CM=0.003x 2 -0.4x+40 En donde x es el número de unidades que se fabrican. Deter… James is interested in the weather conditions and whether the downtown train he sometimes takes runs on time. For a year, James records whether each day is sunny, cloudy, rainy, or snowy, as well as w… For each pair of statements, choose the one that is true. ofs) = (g, s) (a) os c (g, s) O (5) E (5, 6, 7) (b) o (5) 2 (6, 7, 8) O (11, 13, 15) = (1, 3, 5, 7, ...} (c) O (11, 13, 15} C (1, 3, 5, 7, ... Find the value of $832.00 invested at 8.8% from May 20, 2013, to November 23, 2013 (3 marks). 5. What sum of money will accumulate to $3700.00 at 14.75% p.a. in 451 days (4 marks)? Research and report on a topic that relates mathematics to art, music, science, or economics. Make sure you describe the mathematical concepts that are present in the work and what you understand abou… answer this thankyou!. For each of the functions listed below, do a calculation by hand (i.e., with a calculator) to find the root. This process will take at most five iterations for all of these, and… A tractor-trailer comes to rest after a uniform acceleration of – 0.4 m/s^2 for 0.2minutes .What distance does it travel during this time? Here are my arguments 1) If April brushes her teeth, she gets a cartoon sticker. April did not brush her teeth. She does not get a cartoon sticker. 2) All nurses know how to take a blood pressure. M… I need to solve this in 1 hour, hope I can get help thanks!! Question 25 Solve for x: 1 cc/5 lb = x/40 lb A) 200 cc B) 2 cc C) 0.8 cc D) 8 cc Question 26 Solve for x: 5 drops/12 cc = 8 drops/x A) 0.4 … a. A 40-member club will elect a president and then elect a vice president. How many possi- ble outcomes are there? b. A 40-member club will elect a pair of co- presidents. How many possible outcom… John has been consistently playing soccer for 2 hours each day. If after 10 days he played for 22 hours, how many hours will he have played after 30 days? After a large number of drinks, a person has a blood alcohol level of 200 mg/dL (milligrams per deciliter). If the amount of alcohol in the blood decays exponentially, and after 2 hours, 162 mg/dL?… Prove that each of the sentences below are equivalent (that is, whether the sentences are true or false). a) 5n – 10 is odd. b) 3 – 7n² is even. c) n³ – n² + n is odd. Note: If you are sendin… plz show full detail and work calculation. Problem #2 (7 points) We consider an infectious disease for which individuals who recovered from the disease are not immune and can instead be infected again… Question 15 < > 0/10 pts 100 @ Detail Convert the point (x, y, z) = (– 5, 4, – 3) to spherical coordinates. Give answers as positive values, either as expressions, or decimals to one decimal pl… Write down the simple B´ezier cubic curve B3(t), t ∈ [0, 1] for the four control points P0, P1, P2, and P3 and prove that (a) B3(0) = P0 and B3(1) = P3. (b) The tangent line at P0 is the line conne… Consider the one-dimensional function f(r) = r'; is this function convex? What about the function f(x) = x? Let I = [0,1]. Let A (_I I is the fat Cantor set (which has a positive measure unlike the Cantor set with measure zero). Define B = I \ A, and fix) = I: XB(s)ds, for :r E I, where X13 is the charact… Graphing Rational Function (2 ACTIVITIES) Please present a full solution/explanation. ABC is a major local company that is running two sub-companies: TVStar and NoorGas. TVStar is a popular local television station and NoorGas is a gas distribution company. ABC is facing some problems … Question 2 (2 points) On the same axes, sketch the graphs of the exponential functions y=2x and y=10" and state three features common to both. In 2012, Bradley Wiggins won the Tour de France, cycling 3,497 km in 87 hours 34 minutes 47 seconds. (a) What was his average speed, in km/hour? (b) What was his average speed, in mi/hour? (c) … Let G = Z, and let A CG {0} be a generating set with the property that |A| = 5 and acA a = 0. Define the graph X = Cayley(G, A). (a) Show that the above description determines X (up to isomorphism) (b)… a ball rolls up a hill. if it starts with a velocity of 2m/s and accelerates at a rate of -0.5 m/s^2, what is the velocity after 2 seconds Please provide Handwritten answer.. Z) Question 10 f) Now suppose that the unhedged firm chooses the face value of risky debt optimally. Find the face value of debt (F) and the yield on the risky deb… Invert this matrix and Show all steps and indicate clearly the process followed each time? 2 -1 -1 3 1 3 -4 0 3 3 1 1 0 -2 0 0 PLEASE help!!. 1. Consider the following (incomplete) technology matrix for an economy consisting of 3 sectors: (1) finance, insurance, and real-estate, (2) professional and business services, and (3)… please help me solving parts (4,5,8,9) asap with providing screenshots…… thanks in advance. The followings must be realized by using the software MINITAB or SPSS. 1. Generate the normal distribute… Where t 0 = 21. QUESTION 5 The concentration of pollutant bacteria C in a Fake decreases according to the given function. Determine the time required for the bacteria concentration to be reduced to 5 … I need help. Mr. Heath owns a game store. He offers workshops where students learn about different kinds of games and how to design their own games. 1. Sia designs a board game in which a card is draw… refer to image for question. A man has $210,000 invested in three properties. One earns 12%, one 10% and one 8%. His annual income from the properties is $20,100 and the amount invested at 8% is twice… The individual weights, in pounds, of the members of a school's wrestling team are shown in the box below 180 163 165 165 171 177 191 168 180 203 196 175 162 155 178 195 Chart of individual weights of… A tiny object of mass m is attached to the end of a string of length 0.75 m and spun in a circle at a constant rate of 2 revolutions per second. a) What is the angular speed of the object in rad/s? b)… A firm's marginal revenue and marginal cost functions are given by MR=10-4Q and MC=1 If fixed costs are 4, find the profit when Q=2 Working out for this sine equation. 50 (32.058, 36) (117.326, 34.261) (79.181, 16) O 50 100 Question 1. A firm collected 5 instances with 2 features ?1 and ?2 and their types. Instance X1 X2 Type 1 12.1 11.7 + 2 7.9 2.1 x 3 7.8 8.4 + 4 7.3 6.9 x 5 11.2 8.9 + (a) Plot the 5 instances vi… mathematics. Find Limit of exist : Lim 1 – > – 1 2×2 +51-7 2 Lim K – 16 k -> 4 7/K – 4 Find dy if 1 4 + 4ud y2 – 3 xy + 21 = 0 solve the equation 4- 2113 – 3 x12- 3616 + 4 when dy = 0 du Please provide Handwritten answer.. 1 m y(t) 3 m a) The cylindrical tank with length 3 m and radius 1 m, as pictured, is half full and needs to be drained from a square hole in the bottom of the tank … Research Problem: The time married men with children spend on child care averages 6.4 hours per week. You belong to a professional group on family practices that would like to do its own study to de… can you show the steps to me. Identify the iterative function f(x) = x3 – 9×2 – 6 if initial approximation Xo = 2.25 En un estudio para determinar si el sexo de un estudiante está relacionado con su interés en las matemáticas, una muestra de estudiantes del sexto grado produjo la información dada en la siguiente… Select the correct loops to simplify the given function in POS jproduct of sums) form: Note: To select loops that wrap around the edges of the table, you must select both sections that extend beyond t… In , let U be the subspace of all vectors of the form and V be the subspace of all the vectors of the form . What are the dimensions of U, V, and x1, x2, ···xk V xk+1 xk x1 = (1,1,1) T x2 = (3, − 1,... At a local Walmart store, a Coke dispenser held 22152215 gallons of soda. During working hours, 14251425 gallons were dispensed. How many gallons of Coke remain? The interest rate for the first five years of a $27,000 mortgage loan was 3.25% compounded semiannually. The monthly payments computed for a 10-year amortization were rounded to the next higher $10. a… The number of country A forces in country B decreased to approximately 34,000 in 2014 from a high of about 100.000 in 2010. The amount of country A funding for country B security forces also decreased… Any thoughts?. 11. Determine If the function is continuous, discrete, or neither and explain your choice, Continuous Neither (Circle one] Explanation: Solve the following equations by indicating the solution set. 1) Resuelva las siguientes ecuaciones, indicando el conjunto solucion: a) 32x-1 _23x+1 = In 1 b) logz(x + 3) + logz(x – 1) = log,(2x + 1) Find the magnitude and angle with 0 < 0 < 2n for # = (v3, -1). A) |10| | = 10; 0 =2 B) |17|1 = V2; 0=2 C) |171 1 =V3; 0 = = D) |171 1 = 2; 0 = -: E) None of these Previous Page Next Page Question 18 (3 points) Solve the system of equations using determinants. Show checks. x – 6 – 3y 2x – 3y – 3 Need help and I'm stuck. A parallelogram is a quadrilateral (it has four sides/ it are parallel. It is also true that: . The opposite sides of a parallelogram have equal length. . The opposite angles … ebAssign-Mat C webassign.net/web/Student/Assignment-Responses/last?dep=27564240 The Fish and Game Department stocked a lake with fish in the following proportions: 30% catfish, 15% bass, 40% bluegill,… Graph the solution of the system inequality Using FLCRASH data in SAS Viya to answer the question. Create one model to predict the target variable you created in Q2. Assess this model's accuracy. What are the most important variables in predict… Mbf100. Benjamin saved $90 at the end of every month for 3 years in his bank account that earned 2.50% compounded monthly. a. What is the accumulated value of his savings at the end of the period? O $… a solid metal sphere has radius 9.8 cm. the metal has a density of 5.023 g/cm. lynne estimates the mass of a sphere to be 20 kg. show that this is a reasonable estimate for the mass of the spherre. th… what sum of money will accumulate to $539.04 in 97 days at 11.4% 11:54 ~ V 1.60 KB/S 79 The solution may be presented through manual computation or Excel. Problem Folklore has it that there is an inverse correlation between mathematical and artist ability. Suppose … QUESTION 2: a) Aina were given the following data on three series of payments: Payment at the end of the year Accumulated Value at the end 6 12 18 of year 18 Series M 480 400 600 X Series N 0 720 1400… Can i get answer for a product of over 100 dollars? Why 21 dollar product is used? As you can see on the assignment the product that need to be used is of above $100, but it is used worth $21 only. An… F := E SbFIts (R*) 2 (1) 3J E SubFit R4) prp (J. F) (dim() = 1) Y I N Pf W 3 (iii) 3K E Subfit R4 KOF = 0 Skew (K. F) (dim (K) = 1) Y N Pf W b) y = -2(x – 3) 2 + 32 create a table of values and graph the relation. determine the first and second differences from the table. identify the equation of the axis of symmetry, t… I believe this can be solved with Lagrange Multipliers Hello can someone please help me? I believe this question, well at least for Part A is similar to this: . 2. The annual output of t… Please only answer #2 for each image.. In 1-21, use the definition of an improper integral to evaluate the given integral. 5 1. 2 dx 2. dx 3. dx X 10 x-In(x) 1+ x e. In problems 1 – 42, find the indef… Let X be a random variable that follows the beta distribution. This random variable is continuous and is defined over the interval from 0 to 1. The probability density fimction is given by x'H (1… The manager of Manufacturing products is contemplating the purchase of new technology will cost RM 278 000 and has a useful life of five years. The technology will yield (year-end) cost reductions… "Greedy algorithms are called so because they favor the first columns in the dictionary". Is this true or false? If true, give an example, if False, why are they called greedy? Georgina is about to retire with $188,000 in her RRSP. She will make no further contributions to the plan, but will allow it to accumulate earnings for another five years. Then she will purchase an an… Hi there, confused about these 2 questions. Thank you in advance!. Suppose D and G are events in the same sample space for some experiment. If we know Pr[D] = %, Pr[G] = %, and Pr[D n G] = %, determin… Level 16 8 = 72 2 =6 5 = 30 9 = ? Answer X ENTER 2 3 4 5 6 8 9 O נקודות 30)1 שאלה (. B {1,2} , A {1, {2}, } יהיו בעזרת צומדיים. P(B) ואת P(A) א. רישמו את . P(B) \ P(A) ואת P(A) \ P(B) ב. רישמו את . האם … Suppose a battery provides 12 volts. The resistance of the bulb is 30 ohms. What is the current of the battery? 4) (2 points) What is 5.4545 rounded to the nearest hundredth? Topic: Fibonacci. Choose one of the following topics: 1. Pigeonhole Principle 2. Numbers in Nature (Fibonacci) 3. Rational and Irrational Numbers Research your chosen topic further. After your researc… Recursively define the binary strings that contain more 0's than 1's. 1.) Every string in your set has more 0's than 1's. 2.) Every string which has more 0's than 1's is in your set. Thank you for helping. Question 3 (15 points) (1) Let & be the region enclosed by the parabola I = y? and the circle r2 + y? = 2, as shown in the figure. Describe the region S mathematically. (2) … Prove f(g(x))≠g(f(x)) When f (x) = = − 2 3 (4 3 (x − 3 1 8)) + 3 1 9 g (x) = 5 3 lo g (5 3 (x − 5 1 9)) + 5 3 1 What price do farmers get for their watermelon crops? In the third week of July, a random sample of 40 farming regions gave a sample mean of x = $6.88 per 100 pounds of watermelon. Assume that o is kn… . 1. (From Operations Management, 14e, by William Stevenson, McGraw Hill, 2021) A retired couple supplement their income by making fruit pies, which they sell to a local grocery store. During the mo… Sir, I am stuck on this question . 2 O O Let A = 1 2 -1 1 0 1 (a) Find an invertible matrix P and a diagonal matrix D such that that P-1AP = D. (b) Find P-1. (c) Use your answers to parts (a) and (b)… Po = Do*(1+g)/(r-g) 40.625 = 1.54*(1+9.7%)/(r-9.7%) 40.625*r-40.625*9.7% = 1.54*(1+9.7%) 40.625*r-3.940625 = 1.69 40.625*r = 1.69+3.940625 40.625*r = 5.630625 r = 5.630625/40.625 … TIME SERIES . QUESTION 5 (a) If X1, X2, …, Xn are independent normal random variables, i.e., X- ~ N(u, o?), (i) find the respective distributions of ap = E;1 Xtcos (2upt/n) and bp = =_" Xe si… Suppose the problem of diagnosing a disease D that can give rise to the appearance of an S symptom or a radiological sign R. Each of these 3 variables can take 2 values, present or absent. We know … Let ? (?)=3(xe x) -2? x and the interpolation points x o =-2, x 1 = -1 and x 2 = 1 a. Use the interpolation polynomial of your choice to approximate ?(0,7). b. Compare the exact error with… Please help with this applied math question. Problem 1 In this MATH336 assignment problem, suppose (P) is a maximization LP, and has a feasible solution : with objective value 7. Let (D) be the dual o… A and B are shown in the figure. What is A x B? 30 B = 4 A = 5 B A. -10# B. O C. 10# D. 20# 2. A = 32, B = 41. What is A x B? A. -10# B. O C. 103 D. 20# 3. A= 29, B =52+69. What is A x B? A. -102 B… Use the method of Steepest Descent to approximate minima to within 0.005 for the following func- tions. Introduce slack variables as necessary and write the initial simplex tableau for the problem. Maximize z = x1 + 2×2 subject to: x1 + x2 s 25 3×1 + 2×2 < 50 2 x1 + 3×2 s 75 X1 2 0, X2 > 0 – find a global minimizer of f(x,y)=|x| +|y| + (2x-y-1)^2 Edit question The Oil Blending Problem: An oil company produces three brands of oils: Regular, Multigrade, and Supreme. Each brand of oil is composed of one or more of four crude stocks (the same as "… ux '0 < Ix pue N = UA + "x)- = Itux (q) 6 'NOUA UA- Itun = ux (e) [OT] Find the limit of the sequence {En}no (provided it exists) defined over R where Suppose that for some linear function f: R2 -> R2, f([!]) = [;] and f([4]) = [8]. (a) (6 points) Using the properties of linearity, find f([13]). You must show your work to get credit. (b) (6 po… What is som equivalent to that number. onsider the division expression 7 + 2. Select all multiplication equation respond to this division expression. ?=2 2 Please provide Handwritten answer. Consider a tournament between N teams, each team playing each of the other teams. Let's call team i a k-winner if there is a group of k-many teams that were each bea… hello dear, please help me this question in game theory with explanation , thank you so much Number theory question – What are the last Three Digits of 3^1205 pls show all the work and explanation Thank you you want to estimate how many fish are in the pond. you capture 280 tag them throw them back. a couple of days later you go back and capture 420 of which 28 are tagged. how many fish are in the pond ?… The directions on a granular (dry), water soluble, 20-20-20 house plant fertilizer are to dissolve one teaspoon of fertilizer in one gallon of water. One teaspoon of fertilizer weighs 5 grams (so the … Use the Midpoint Formula to estimate the sales of Big Lots, Inc. in 2005, given the sales in 2003 and 2007. Assume that the sales followed a linear pattern. Big Lots Year Sales (in millions) 2003 4174… Just Part C:. Thus, if player 1 plays a randomized action . Then the expected value v; (x) if player 2 plays action j is given by vi(x) = En, TiAs. Let v(x) = (v1(x), …, U.(I)). (a) The goal of play… electrical engineering. ANSWER ALL QUESTIONS. Q1 (a) Determine the inverse Laplace transform of the following function: 2 -s F(s) = – s' + 2s-15 (Hint: Use completing the square) (5 marks (b) A signal… Let f(x,y) = 4x y + 4xy-. Find 2 dxdy and dy dx = 2 refer to image for question. [42 "0""51 I DETAILS I HARMATHAP12 5-3-043- I MY NOTES II PRACTICE ANOTHER I If $9500 is invested at 12.6% compounded continuously, the future value 5 at any t… Let A be a measurable subset of R. Assume that f : A – R is integrable. Show that for each a > 0, there exists a 3 > 0 such that Measure of E < 3 = JEIfI < a, where E C A is measurable. No… Hi! With explanations and full solution please, I really want to learn this but I am having a hard time understanding. Topic: Cash Flow and Deferred Annuity. 1) A television set is for sale at Php … Melody Diaper Service is a local company that launders and delivers baby diapers. They need to borrow $6,200 to buy some new washing and drying equipment. Their loan is for 180 days at 8% exact simple… Help. 5. The price of the new home you want to purchase is $310,000.00. You purchase the home with a 20 down payment and finance the remaining amount for 25 years at 5.00%, Your monthly payment is $1,… please answer the following question below. In triangle ADC the mestre of angle & is 50 degres. Select ALL possible values for the measures of angle A and C if ABC is an acute triangle. 3. Arele A… A CEO decided to award her employees that have met their objectives this year. Those employees that have met their objective have the chance to win vacation days. They can win either Mondays (abbrevia… Question 5 1 pts Jane took out a 10-year loan for $76,973 from her local bank at an annual rate of 5.9%. If she plans to make monthly payments, how much will each payment be? Round your answer to the … I need help. Find the interest rate needed for the sinking fund to reach the required amount. Assume that the compounding period is the same as the payment period. $19,151 to be accumulated in 4 years… Advanced Math You're doing an experiment with a (circular) drumhead. You find resonance peaks at 125.7Hz, 135.2Hz, 156.3Hz, and a range of higher frequencies. (Use the values of Bessel's function here… Question 27 Use the data to calculate the earned value for the project. All amounts are in thousands of dollars. Duration (weeks) 5 10 15 20 25 % Comp Conceptual Design 10 6 100% Graphics Design 12 6 … mrs.pancho was paid for her 32-hours work at the rate of ₱275.00per hour.how muchwas she paid?What are the given facts? Give me a solution on how to get it. PART II (10 points) An insurance agent offers his 200 clients auto insurance, homeowners insurance and renters insurance. The purchase of homeowners and the purcha… 1.Solve for the Steady State Probabilities of Bulletin, Star & Inquirer problem through Algebraic equations through Gauss-Jordan Elimination through Cramer's Rule See Photo Below . Probabi… 1.5: Exploring Arithmetic Sequences UT 3. A grocery store worker has to collect all the shopping carts left out in the parking lot. He collects 4 carts and measures the length of the 4 carts he is pus… A cable suspended from supports that are the same height and 600 ft apart has a sag of 100 ft . If the cable hangs in the form of parabola taking the origin as the lowest point, find the width of the … An ice cream cup costs ₱35.00 per piece. However, if you buy more than 10 pieces, they will be marked down to a price of ₱32.00 per piece. Use a piecewise function to represent the cost in terms o… Leah is considering job ofl'ers fi'om two companies. Company A offered her a starting salary of $45,000 with a $2100 raise at the end of each year. Company B offered her a starting salary of $45,000… Classify the inventory in this sales transaction (5 points) and draw up a commercial invoice to represent the first shipment. (15 points) (5 + 15 = 20 points total for this question) Complete the following table given this information: (Do not round intermediate calculations.). Cost of machine: $93,400, residual value: $3,900, Useful Life: 5 years. Estimated units machine will pro… As Russ runs, his knee joint passes through the following vertical positions (meters): Frame 1: 0.094 Frame 2: 0.126 Frame 3: 0.232 Frame 4: 0.325 Frame 5: 0.447 The data were collected at a frequency… Explanation. 3, 750 x 8 = 30,000) 270,000 -50,000 2.) as) alg: 5.00 + 1.30 (18) = 220,000 = 28.40 = 220,000 +3750 28 minutes and 40 secs 2 59 weeks 6 60minutes – 5 minutes) 28 + 2 (24-1) = 55 min… Two players alternate in placing dominoes on a 3 × 3 chessboard so as to cover two squares exactly. The first to be unable to place a domino is the loser. a) Draw the game tree for this game (to sav… Sir i am stuck for this question . Consider the transformation T: 3 – R2, such that every vector x = (X1, X2, X3) E R3 is mapped to R2 in the following manner: T: (X1, X2, X3) " (X1 – 5X2 + 4X… Answer the following questions. 5. Car A accelerates from rest to 72 km/h in 9 s. Car B accelerates from rest to 24 m/s in 9 s. Which car travels the longer distance in 9 s? 6. A sports care is advert… business mathematics. UNIVERSITY Tugas Kelompok ke-3 ONLINE LEARNING Week 8, Sesi 12 1. Kepuasan konsumen dalam mengkonsumsi produk x dan y yang ditunjukkan oleh fungsi utilitas total sebagai berikut:… 6C and 6A. a. Solve: 9sin(4x + 2.3) = 1.7 for x E (– 2.8, 3.2) b. Solve for x where cos2x + 3sin2x – 1 = 0 and x ER . c. Prove the following identity. sin5x = sinx(cos22x – sin2 2x) + 2cosxcos2xsin2… Help me this question clearly step by step pls!. Question 3. (a) Calculate (sin? x – sin' x)" cosa da. (b) Calculate x In(x-5) dx. (c) Calculate d cos x Vt2 + 1 dt. dx .J sin x [2+2+3 = 7 marks] … Express the following sum in closed form. (2 + 3k)2 = Hint: Start by multiplying out (2 + 3k)?. Note: Your answer should be in terms of n.. Express the fellewing sum in closed term. i (5+4-%)2=C] k=1 … To determine the average length of trout in a lake research catch 20 Fish and measure them. What is the sample of population in this study? 7/8 question please. 100 AAQ B IVAXXO . AB 8. Two fair dice, one blue and one red, are tossed, and the face on each die is recorded. Define the following events: E : { A 1 on the blue die } F : { The … No idea where to even start – if you could offer a solution or explanation, I would really appreciate it. The first image is the question that is being asked about.. (b) The graph in part (a) does not… use of parent 4.)I Tomaslav has learned the following facts well: . All the sums of whole numbers that add to 10 or less-Tomaslav knows these facts "forwards and backwards." For example, he… Given the following defining equation for Legendre polynomials M P. (x) = _(-1) (2n -2m)! yn-2m. M= n/2 n-even m=0 2" (n – m)! (n-2m)! (n-1)/2 n- odd a. Generate the polynomials for n = 0, 1, 2. … An inventory of two types of Christmas lights shows a total of 89 lights valued at $435. If Type A cost $10 each and Type B cost $3 each, how many of each type of Christmas lights are in inventory? Th… Question 1 la For the integral ac costedx, estimate the error in Az, the '2-piece' composite Simpson's rule Approximation, using the combination of A, (1- piece rule) and AZ. compare your answer to th… Please provide Handwritten answer. Advanced Math Catherine enters into a short position of 40 shares in stock XYZ. She is required to deposit 40% of the stock value in a margin account as collateral. … 0 Question 13 ' < > B 0110 pts '0 100 0 Details 1r Convert the point (r, 9, z) = (4, 3' — 1) to Cartesian coordinates. Give answers either as expressions, or decimals to at least one decimal… the twelve inch square tiles are shipped in boxes of eighteen pieces per box. Each of the boxes weighs thirty-two pounds. Approximately how many ounces does each tile weigh? Week 7 Grade 9. the Remainder Theorem and the Factor Theorem) Learning Task 1. On the chart below, find a factor in Column B of each of the given polynomials in Column A using the Factor Theorem. Colu… Find the number that makes each equation true. Draw a. 10 3 X w/ – a diagram if it is helpful. b. 10 3 X WIN 10 C. 3 = X w/U O a= 10, b = 5, c = 2 a= 1, b = 2, c = 2 O a= 10, b = 2, c = 5 O a= 10, b =… Maggie Vitteta, single, works 38 hours per week at $22.00 an hour. How much is taken out for federal income tax with one withholding exemption? (Use Table 9.1 and Table 9.2) (Round your answer to the … The variance for a set of scores is 36. What is the standard deviation, and what is the range? Show your work. 5 marks] 3. Calculate the force (in Newtons) required to push a 10kg wagon up a 0.5 radian inclined plane. One Newton (N) is equal to 1kg.m 2, and the force due to gravity on the wagon is F = mg, wher… 3) (6 points) Explain how you can tell the difference between the two types of subtraction based on how a strip diagram is drawn. Use the expression 27 -15 to demonstrate the difference. which of the following polynimials has factors (xy-1)(xy+1 without the decimal points. 8. Explain how to write 1.89 and 3.57 as improper fractions whose denominators are products of 10s. Then use fraction multiplication to explain where to place the decimal p… Please provide Handwritten answer. Let T : R4 – R be given by T (v) = 10 OHOO CT 0 Set z = Prove that R = (T, z) and determine UT(I). What is the height of a tree that casts a 32 m shadow, if a 2 m tall man stands beside the tree and casts an 8.5 m shadow? (Diagram please and similar triangles.) 1145 13 KN 4 KN B E 4KN C D 3.0 m A 16 kN.m Z. 3.5 m 2.1 m X Three forces and a moment are applied to the block. Reduce this to an equivalent force-couple system at point A. Express the results in … Let 21, 22 EC\ {0}. Suppose that 2122 6 R. Is it true that z] and z2 lie on a straight line passing through 0 in the Argand plane. If it is true, give a proof; otherwise give a counterexample. the app says that it does not have a answer. Sally's aunt put money in a savings account for her on the day Sally was born. The savings account pays interest for keeping her money in the bank. The rat… What is the answer to this. SOIVE. ROUTIU LO LITE 118 130 C 28 C How could the teaching practice of modeling advance students' access to math content? How could the teaching practice of modeling inhibit students' access to math content? xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx Negate the following: For every natural number n, 2n = n + n The product of two negative real number is positive. Complete the operations. (2 – 7) (2+ 4) What will the coefficient be for the variable with an exponent of one ? Please provide Handwritten answer. A Telecommunication Engineer received a request to design a radio system at a mall. A radio system should have a noise figure (NF) of 6.5 dB with a net gain ratio (A… pts) Use an iterative approach to find a soluti an = an-1 – n, do E 4. Hint: Y You are now viewing the questions you held earlier. Please submit an answer or pass. F 5% D A 10% 15% B C 30% 40% The circle graph shown above represents the distribution of the grades of 40 students … Sir, i am stuck on this question need step by step calculations . 5. 2y 1 y+ 2. (a) The diagram above shows a right-angled triangle. The sides are given in terms of y. Show that 2 – By – 320 [3 mark… 1105 D -36 0 18 0 B A 92 kN each of the bridles, BC and BD, if the ship is moving forward with constant velocity. The towing pendant AB is subjected to the force of 92 kN which is developed from a … Sir i am stuck for this question . Question 4 Find a multiplicative inverse of 11 modulo 38. A multiplicative inverse of 11 modulo 38 is Question 5 Solve the linear congruence 74x = 7 (mod 69). A … n-ary Relations and Their Applications. Show that if C, and C, are conditions that ele- ments of the n-ary relation R may satisfy, then (R)). (R)) = SC, (SC SC (SC2 Answer the following question. . 4. Thermistors measure temperature, have a nonlinear output and are valued for a limited range. So when a thermistor is manufactured, the manufacturer supplies a res… Suponga que dos torres de un puente colgante están a 240 metros de distancia, y que el vértice del cable parabólico es tangente al asfalto en el punto medio entre las torres. Si el cable está 2 me… Please show me how to solve: Cribs Co. provides two models of cribs, called Model A and Model B. Each Model A crib is sold for $300, and each Model B crib is sold for $400. Both models use two t… Need help please, thanks.. 28. In Figure 7-4, if V, = 12 V, find the current / in Applications to Electronics milliamps: 23. A de circuit contains a voltage source V, and (a) When R = 240 0. a constan… ANNUITIES PROBLEM 1. Mr. Anton received two offers for the old equipment he is selling. Mr. Brando will pay P6,500 in cash. Mr. Castilla will pay P7,000 consisting of a down payment of P1,000 and… Compute the continued fractions [2, 1, 4, 4], [2, 1, 4, 5], [2, 1, 4, 6], [2, 1, 4, 7], etc. Form a general claim for what happens as the last number tends toward infinity and prove it with a formal p… roblem 2. Identify the complicating variable(s) and solve using Benders decomposition: max y1 + 3y2 + y3 + 4y4 s. t. – y1+y4<1 2y2 + 24 5 4 y4 5 4 24 5 6 -y4 S-1 2y1 + y2 + 2y3 + 2y4 59 y1 , . . ,… A propositional formula A is a basic Horn formula if and only if it is a disjunction of literals, with at most one positive literal. A propositional formula is a Horn formula if and only if it is a… Consider the function fix) = 4 x 30'2". a Complete this table of values [rounding to de if needed], then sketch the function. LL]: Compute the logarithm (base 10] of each of these values of f (x), … Consider the conquer and divide relation f(n) – 2f(n/4) + 9 with f(1) -3. a. (5 pts) Considering only arguments for f(n) when n – 4", for some integer k, provide an explicit formula for f (n) … Here is a speed-time graph showing the speed, in metres per second, of an object t seconds after it started to move from rest. 8 6 Speed (m/s) 4 2 2 W 4 5 Time (t seconds) (a) Using 3 trapeziums of eq… Which of the following subsets of Ca,b are subspaces? (a) V = {f E C[a, b] : f(a) = f(b) = 0} (b) V = {f E C[a, b] : f(a) = f(b) = 1} (c) V = { f E C[a, b] : f(a) = 0, f(b) = 1} (d) V = {f E C[a, b] :… . 3. Determine the definite integral. 3.1 fIn(x) /x dx; x > 0; F(e) = 1 3.2 [1/(1+5e-x) dx; F(-co) = In(5) 3.3 [2.5 In (2) (25vx) / Vx dx; x > 0; F(1/25) = 2. 5. If they exist, evalua… question 1 question 2 Question 3 . Question Completion Status: This question is based on the following information. Your restaurant currently purchases Eli's Cheeseacke from your distributo… what is the process, with steps, to complete all elements of 4 x 4 errorless (perfectly consistent) matrix e.g row 1: 1 * * * row 2: * 1 2.5 * row3: 0.2 * * * row4: * * 1.5 ?… Can you help me with the below, please QUESTION #2 ?… Depreciación de equipos de oficina (40%A, 50%P, 10%V) $7000 sir i am stuck for this question . (10 points) Determine the length of /the trajectory r(t) = (4v2t, elf, e-")for the time interval f ([0, 1]_Also determine the amount of speed U. the tangentia… – 2 hours 11/ QUESTION 14 . 1 POINT Gabe entered a home design contest. Contestants earn scores between 1 – 10, with 10 being perfect. There are four categories and each category is weighted different… Thankyou for helping. God bless You.. Let time t = 0 correspond to 6 A.M., and suppose that the arrival rate (in arrivals per hour) of customers to a breakfast restaurant that is open fiom 6 to 9 AM…. Computer Science Having the following single layer network with weight matrix: 0.75 0.05 0.13 0.38 0.53 0.57 0.57 0.78 0.47 0.08 0.93 0.01 Apply the delta training rule to update the weight matrix … Alexander Borbely is a professor at the University of Zurich Medical School, where he is director of the sleep laboratory. The histogram in the figure below is based on information from his book Secre… 2.9 Bestvold Led manufactures small electrical motorbikes for children. Each bike is assembled from one motor, two wheels, one frame and one battery. The batteries are bought from an external supplier… i want to calculate a split between online and offline %. the base is that there is a loss in online per item sold and there is a gain in offline per item sold dependend on the return ratio X. Means i… Micromedia offers computer training seminars on a variety of topics. In the seminars each student works at a personal computer, practicing theparticular activity that the instructor is presenting. Mic… mathematical induction Prove 1 3 + 2 3 + 3 3 + . . . + n 3 = 4 n 2 (n + 1) 2 5 and 6.) 7 1. Product A requires 3 hours on a machine, while product B needs 5 hours on the same machine. The machine is available for at most 60 hours per week. help me answer this, do use the long method please aaaa. Solve the equation and indicate its linearity. (15 pts each) V2 a. y' = x csc x – y cot x when x = 0, y = 3 b. y' = x – 2y 1) A medication order states, administer terbutaline 0.25 mg SQ stat. Available is terbutaline 1mg/mL. How many mL should the nurse administer? (Record answer to the nearest hundredth, or two decimal … Write the following expression as a single summation. 2 ∗ ∑ k = 1 n (3 k 2 + 4) + 8 ∗ ∑ k = 1 n (2 k 2 − 1) a professor wants to know what students in his three classes think about the system he has set up to record student attendance. he randomly emailed a survey to some of his students to find out. all of… . is 42 is _i T _ _ Show that U = 3% i and VT = g g are both rotation matrices. and 2 2 2 2 find their corresponding rotational angles 494:: and Eva-v. (iii) Give an explanation for all geometri… Explain. fr 15. a. Write an expression that uses both multiplica- tion and addition (or subtraction) to describe the total fraction of Figure 5.7 that is shaded. (For example, 7. , + 3 is an expressio… A hockey puck with mass of 0.17 kg has gravitational potential energy of 2.3 J when it is held by a referee at a certain height above the rink surface.Calculate the height of the puck. GRAS 7:51 A Name: Pantaleon, Maylene E. Date: October 10, 2021 ogram: BS ES 1EMT1 Score Activity 2.1 Mathematics as a Language I. Consider the following symbols. Choose a symbol and place it on the blank (… MTH1010_09_07_2 Given the rational function f(x) = 213 – 10×2 + 12x x2 -5x +6 Select the correct statement (a): f(x) is continuous for all r e R (b): f(x) is continuous for all r E (-oo, 2) (c): f(x) … describe what is happening in the lesson? reference: 1) Find the general term of the sequence that describes the number of circles you'll have in the picture after iteration number n. Decide whether this sequence is an arithmetic sequence, a geometric… Qualys. SSL Labs Home Projects Qualys Free Trial Contact You are here: Home > Projects > SSL Server Test > www.tim.com.br SSL Report: www.tim.com.br (189.40.216.101) Assessed on: Wed. 29 May … Problem 5 (12 Points) Solve the IVP X1 = X2 x 2 = X1 , with the initial conditions x1 (0) = 1, x2(1) = 0. How do I find the retail $ and markup $, when the markup % is 72.0% and cost $ is $18.20? Thank you can u give me an answer for this question?. 2k – V 3 Given 3 = 2, express k in terms of y. 3 Time left 1:58:56 In 23 A company needs Rs. 10,00,000/- for modernization. The following 3 plans are available -a) Issue 100,000 equity shares of Rs. 10 per share b) Issue of 50,000 equity shares of 1… X Explain how to use the associative property of multiplication to make 16 . 25 easy to calculate mentally. Write equations that show why your method is valid, and show specifically where you have… For the word "perseverance" , calculate: a) the number of possible arrangements of all the letters b) the number of arrangements that start with "v" and end in "r". Score: 36/67 25/35 answered Question 28 COM pt 9 2 0 Detail A small toy rocket is launched from a 40-foot pad. The height (h, in feet) of the rocket t seconds after taking off is given by the formula … general mathematics. Hint: State the given. Identify which formula to be used. Substitute the value to the formula. P = R . I F – R . 10- Independent Activity 1 Find the Present Value (P) and the Futu… Please help me with this. The anwser should not be much detailed just the correct strategy with a brief discussion of all the listed aspects. Question n.2 The candidate discusses the numerical simulat… a) Due to a variety of factors, international shipping of many goods is currently delayed. What might businesses have to do to avoid oscillations in supply caused by these delays? (b) Sketch a time se… location of each local extremum. Determine the location of each local extremum of the function. f(x] – 2 + 5 x + 2x . 3 O Local maximaim at -2; local minimum at -1 No local extrema Local extremsum): … A population of 8,000 men, aged 50 years, was examined in January 1990 for potential inclusion in a research study of smoking and high blood pressure (HBP). Of these men, 4,900 reported smoking cigare… please help me I need this by tommarow. 1 If the area of the largest square on the geoboard is 1, what is the area of each region? A B C D E 2 Write four statements and matching fraction equations tha… Need help solving question. QUESTION 17 Find the indicated sum. Find the sum of the first 10 terms in the geometric series + W/H 27 + 6560 81 3280 27 O 7 54 O 1640 27 hi can you help me solves these questions. Create the following: 0 Determine an algebraic Equation to represent the height of the reference gondola as a function of time in . minutes 0 Create a graph … Linear Programming: An Algebraic Approach (dont use excel for explanation i just need help to create an equation and everything else I will calculate on my own). Custom Office Furniture is introdu… [0/3 Points] DETAILS PREVIOUS ANSWERS BBUNDERSTAT10 3.1.015. MY NOTES ASK YOUR TEACHER PRACTICE ANOTHER How hot does it get in Death Valley? The following data are taken from a study conducted by … Doug Turner Food Processors wishes to introduce a new brand of dog biscuits composed of chicken- and liver-flavored biscuits that meet certain nutritional requirements. The liver-flavored

grouping: 2×2 + ay – ax2 – 2y 2A×3 – 6×2 + 8x – 2 9×3 + 36×2 – 4x – 16 grade 12 advanced function. COMMUNICATION () SHOW THAT THE EQUATION 24 = ? HAS A SOLUTION 5 WHICH CAN BE EXPRESSED AS A LOGARITHM IN ... a) BASE 2 6) BASE 10 C) BASE a – 1 hour QUESTION 21 . 1 POINT A recent survey of 1,800 people found that out of all respondents, only 732 clip coupons. a. Express the ratio of those who clip coupons to the total as a decimal rounds. The parametric equations below describe the line segment that joins the points P1(X1,y1) and P2(X2,12). Find parametric equations to represent the line segment from (-5, 7) to (1, -3). X = X1 + (X2 – ... We defined the Borel sets Bs as the σ-field generated by the collection of open intervals of the form (a, b], with −∞ ≤ a < b ≤ ∞. A common alternative definition is the following: The Borel ... Jekogaivivit. For the following power series, a. find the radius and the interval of convergence. b. determine the convergence and diligence of the end points of the convergent interval. xk 9, k = 1 Please see the following questions, (-6, .1). What are the taxes Mike would have to pay on a Fort St. John property assessed at $ 1,000,000 if the mill rate is 17.50 ? 2) Marco recently sold some Emb... Consider 5 data points written as (x,y) where x is a realization of the independent (predictor) variable and y is the matching realization of the dependent (response) variable: (1,2), (2,4), (3,3), (4,... business mathematics. Question 7 (1 point) Which of the following is NOT an example of Fixed Cost? Management Fees Transportation Charges Property Tax A homeowner wants to install baseboard around the walls of a room that is 13 feet by 11 feet, with two 3-foot-wide doorways in the room. How many feet of baseboard will she need? You do not nee... QUESTION 2 . 1 POINT Leander planted 100 acres with soybeans and he plans to increase his field size by 3% each year. Write a model to represent the size of his field (in acres) in any given year. Pro... Let X be a set. For each C X, define XA : X – {0, 1} by 1, YEA, XA (X = 0, XEA. For example, let X = {A, BCX}, then XAB = XA(B). (b) If A C X, then XA × XB = ... In this question assume, for simplicity, that all functions are defined for all t ∈ R. Diagrams may be helpful. Please feel free to use them in your solution. (a) Define the statement "The function ... please help me answer this question thoroughly. Direction: Answer the following questions on the sheet of paper. 1. Jesiy and ... Prove the statement: f(x) = ...

[illegible]

have approached you for a donation. You summoned the directors of the two charities and informed them tha... A plumber charges a £60 call out charge and then £50 for each hour worked. Select the option that gives the correct formula for the amount £ y of the bill if the work lasts x hours. Select one: y ?... True (T) or False (F). In the first three items below f is a continuous function in [0, 1] and kfk∞ = maxx∈[0,1] |f(x)| (a) ( ) There is a polynomial p such that kf − pk∞ < 10−8 . (b) (... i'm agree. It is harvest season at Joe's Farm. He has two pumpkin fields and the total area of the two pumpkin fields is ... The area for the first field yield ... tons of pumpkins and the small ... Find the partial sum of the geometric sequence with the given first term and common ratio. $18; 81 = 42, r = -2 $18 = (Simplify your answer.) Find the number of terms ... Write down the 2 x 2 matrices that represent the following linear transformations of the plane. Specify for each transformation which the points (1,0) and (0, 1) map to. Also make reasonabl... The following are the dimensions of rectangles. Which one represents the sides of a golden rectangle? a. 8. 4,74.4 7 b. 4,126 c. 6. 3,708 d. 5. 3,290 Please show all work! Let X be a set and A, B C X. Prove the following are equivalent: ... The parent function f(x) = logx is vertically compressed by a factor of 1/2, reflected in the x-axis, translated right 5 units and down 3 units. Determine the equation of the function State the domai... Consider the function f(x) = tan(3x)+x6. Use the newton-raphson method to evaluate the root of this function, with the following initial approximations: 0.48, 0.4 and 0.01 (-2 Points) DETAILS ABBUNDERSTAT10 3.3.002. MY NOTES ASK One standard for admission to Redfield College is that the student must rank in the upper quartile of his or her graduating high school class. ... Use only the formulas provided. (9 marks) Consider the data 1.2 1.3 1.4 f(lk) 0.9321 0.9636 0.9854 Find the approximations to f' (1.2), f'(1.3), and f'(1.4), and f''(1.3) of order O(h2). ... Evaluate the limit ... With explanations and full solution please. I really want to learn this but I am having a hard time understanding. Topic: Cash Flow and Deferred Annuity . 1) A television set is for sale at P... Help me this question clearly step by step plsl. Question 5. A cone-shaped drinking cup is made from a circular piece of paper of radius 6 cm by cutting out a sector and joining the edges CA and CB a... Prove the following. ... Determine the simple interest earned on each investment. ... How many ways are there to list 1, 2, 3, 4, 5, 6 in a row if 1 must not appear between 3 and 5? ... You raise pigs. When you purchase the pig it weighs 53 pounds (lbs). ... National Bearings manufacturers bearings at plants located in Portland Oregon, Houston Texas, and Jacksonville Florida. To measure employee knowledge of Total Quality Management (TQM), six employees we... The mass of a crystal is 0.49 kg. a. Write 0.49 as a fraction. Show your work. ... A ball is dropped from a height ... Find the total distance travelled by the ball. ... military in a certain year. All numbers are in thousands and rounded... Consider A € R n x n orthonormal. ... What are the spark, mutual coherence, and RIP of A and A'? ... The Naturals Cosmetics Co is considering an Ad Campaign for their new Sulphate Free Shampoo (SFS). They are considering three TV channels for the campaign – Star, Galaxy and Cosmos. The expected expo... A farmer plans to mix two types of food to make a mix of low cost feed for the animals in his farm. Abag of food A costs $10 and contains 40 units of proteins, 20 units of minerals and 10 units ofvita... Find the mean, median, mode and range for each set of numbers. a. b. c. ?... (3 marks) 4. If it costs $1,845.81 CDN to buy 1,250.00 Euros, what would it cost to purchase 750.00 Euros? (3 marks) Sir i am stuck for this question with complete explanation. The temperature at a point (, y, z) is given by T(x, y, z) = 7e-6×2-5y2-722 where T' is in degrees Celsius and , y and z are in metres. a. F... (a) What does the Existence and Uniqueness Theorem predict about the so- lutions of the initial value problem (IVP). 3y Iny y = , y (6) = 3 r- 2 (b) Consider the DE x' y" – 3ry' + 4y = 0 for >... Numerically integrate the equation equation (3) dy/dt=(1-y)^2/10 from t = 0 to t = 20. Assume that y(0) = 0. The solution of equation 3 is y = 1 – (10/t+10) ?... college mathematics. Find the least common denominator (LCD) of 11 and 10 15 X 5 ? please help assignment 3 question 13. Convert the decimal number (-0.640731), to the mini-IEEE floating point format: Sign Exponent Mantissa Number It is possible that the mini-IEEE representation y... thanks for your help. Question 1 (15 points) Let -2 1 A = 0 20 -4 1 3 (i) (6 points) Find all the eigenvalues of A. (ii) (9 points) Find a matrix P such that P-AP is a diagonal matrix. The Clarkstown Central School District covers 4 towns. There are 35 members of the school board, and the 4 towns have the populations shown in the following Population Town A—30,492 Town B ,—–10... Solve the following polynomial equation by grouping and factoring. 16y3−25y=0 Enter the exact answers. The field below accepts a list of numbers or formulas separated by semicolons (e.g. 2;4;6 or x+... please solve in detailsassoon as posible. numerical analysis .. 11.6 Determine || Ally. All. and | All for – S [A] = Before determining the norms, scale the matrix by making the maximum element in eac... Coding Theorem: Error correction code:. 2.3 Prove that A. (3, 2) = q2 for any integer q = 2. Fie A și B două evenimente, cu: P(B) = 0,35 și P(A ∪ B) = 0,65. ? = P(A), în fiecare din cazurile: (I) A, B sunt incompatibile; (II) A, B sunt independente. Exercise 2.7. Let v : R → R be Lipschitz-continuous. Prove that any integral curve x(t) of `x(t) = v(x(t)) is a monotone function. Hint: Show that to the sets {v > 0}, {v = 0} and {v < 0} the... Given the following function Wp E(K, W) = 1 – (w – kvo)? (w + kuo)? . Determine what kmar is. . Determine what Im(Wmax) is. Themarginalcostfunctionforaparticularitemproducedbythe Acme Roadrunner Roundup Corporation is given as C ′(x) = 0.14 x 2 2–.6 x 1+20, where x = number of units produced. a. UseaRiemannSumwithl... Romeo and Juliet have decided to continue their relationship, but are now entirely self-absorbed. Their love is (still) governed by a system of differential equations where R represents Romeo's feelin... CAG Seniors Healthcare, a seniors health and fitness center, operates a morning fitness program for senior citizens. The program includes aerobic exercise, either swimming or step exercise, followed b... need help with this problem. please show steps on how to solve the problem thank you. also if using any theorems or facts please state. . 4. Consider the space curve (t) = (asin" t, a sint co... Answer B. You deposit $11,000 in an account that pays 4% interest compounded quarterly. A. Find the future value after one year. B. Use the future value formula for simple interest to determine the ef... Note any similarities about your measurements. Similar values? Different? Which method was more accurate? 2. How did the ratio calculated above help Radius in the survey? ... Watch this video watch Sir... [2/3 Points] DETAILS PREVIOUS ANSWERS Does it pay to ask for a raise? A national survey of heads of households showed the percentage of those who asked for a raise and the percentage who got one. A... Help me answer the following question. . If X is a discrete random variable with equal probability at 4, 9, 10, 11, then the mean of X is: 0 9 O 8.5 O 34 O None of the above. The standard deviatio... There's a game where there are 2 blue balls and 2 red balls in a bag. Each ball is removed from the bag without replacement & if you guess the color of the ball correctly you earn a dollar. How mu... Find all points that lie on the line 2x+3y=1. Where x and y are in the number system F 5 , F 5 =(0,1,2,3,4) Give 2 consequences of the theorem that the size of language use is at least * (aleph-1). ~ p right arrow not q q right arrow p ________ pVq Use a truth table to determine whether the argument below is valid. The following table gives the success record of a certain weather forecaster in predicting rain over 700-day period. One day from this period is selected at random. Predicted Rain Predicted No ... Explain how a phonetic alphabet can be regarded as an error-correcting code for spoken word. 5. We used probability tools to show that smaller messages would have, on average, fewer errors than l... Use Bisection and False Position Method to locate the root of e X – 4X 2 = 0 between X = 0 and 2. Use 5 decimals in all values. Stop when the absolute error is less than 0.3%. Abs Error = ((Xr new... A persymmetric matrix is a matrix that is symmetric about both diagonals; that is, an N × N matrix A = (a ij) is persymmetric if a ij = a ji = a N + 1 – i , N + 1 – j , for all ... The statistical tool known as the "chi-squared" is tool is commonly used by researchers when trying to determine whether or not "observed" data differs statistically from "expected" data. The (Table 4... Can you assist with this question?. Question 12 (2 points) Listen Olivia borrowed $3,000 at a simple interest rate of 0.40% p.m. for 9 months. Calculate the maturity value of the loan at the end o... . Let R C A x B and S C C x D. We define a new relation R * S C (A + C) x (B + D) by (I, i)(R * S)(y, j) <> (i =j = 0AxRy) V (i= j=1AxSy). (a) [2 points] Prove that if R and S are total, then ... Question 12 0/5 pts 1 65535 98 0 Details Find a plane containing the point (-1,-1,-3) and the line of intersection of the planes – 1x + 2y – 1z = – 9 and 4x + 4y – 3z = – 11 Note: See the "Read&q... Question 8 (1 point) Natura currently sells 1316 couches per day in their main location. They believe that by opening a store across the street, that location will sell 884 couches per day. However, t... solve for l subscript t. b(1-st) 1-Q bet b(1-Q) b(1-Q) Consider the following nonlinear system 20 2 21 = 2 1 1 + 27 2 1 20 2 = 1 + x1 (a) Show that the origin is an equilibrium point (b) Using the Lyapunov function candidate, V(ac) = 27+ 23 what are th... Question 1 (1 point) You decide to purchase a $300,000 home. You have a 20% down payment. You select a 20-year loan at 4%. Find: (a) The monthly payment (include a $ and no commas) Please provide a proof for the following question – make sure to answer all parts. I will upvote!. Prove the following proposition. Proposition. Let n E 2 be on integer. Then the largest integer d tha... (a) Explain assumption (i). (b) Write the equations for C,+, and based on the above information. (c) Show that S = 1/f, C = B is a steady state of the equations. (d) Use stability analysis to show tha... Question 8 < > Solve for x. 2(3x – 1) – 4(4x) = – 40 If needed, enter your answer as a reduced fraction. Question Help: Message instructor Problem 2 (20%): Consider the function: f (x) = x cos(x2) Estimate the first derivative of f(x) and the true error in the derivative at x=0.7 (true value is 0.42111) using: a) High accuracy Forward di... Sir i am stuck for this question . 3) [16 Points Total] Solve the initial-value problem y' = 2t cos(t) y , y(0) = 3. Write your answer in as simple a form as you can. Sir i am stuck for this question . Q4 FUNCTIONS En GRAPHS (a) Use the slope—intercept method to find the slope and y—intercept of —2x—9y—21={} {b} Draw the graph of the function f(x) =3+§?... subject functional analysis. THEOREM (1) Let f be a bounded space linear functional defined on subspace M of a real normad linear subspace X.Then (1) there exist a bounded linear functional F defined ... For the given system of forces, determine the following: a) Resultant and Ox, b) x and y intercept, and c) equivalent horizontal and vertical couples acting at A and B. (LO2) 200 KN 180 KN 1 2 A B ... discuss the morality of Google's page-ranking algorithm. (a) Does it systematically exclude Web pages containing opinions held only by a small segment of the population? (b) Should every opinion on ... Pasos detallados para entender mejor A) disminuye B)no cambia C)aumenta Y D). Un pendulo simple se monta en un elevador. & Que le sucede al periodo del pendulo (aumenta, disminuye o no cambia), cu... Help needed to understand. From a group of 10 people, you randomly select 5 of them. What is the probability that they are the 5 oldest people in the group? Give your answer as a fraction I NEED HELP. Provide what is being ask in each item. Write the equation of variation of the following problems and solve for the unknown. Solve for the unknown variable: If r varies directly as s If r... In a survey, 10 people were asked how much they spent on their child's last birthday gift. The results were roughly bell-shaped with a mean of $40 and standard deviation of $20. Construct a confidence... A property sold for 21 0% of what the vendors originally paid for it. What was that original price if the recent selling price was $745,500 ? Approximate the values of 2/3 and 1/7 correct to 4d.p are 0.6667 and 0.1429 respectively. Find the maximum possible absolute and relative error in the sum and the product of the two values. Contois Carpets is a small manufacturer of carpeting for home and... Contois Carpets is a small manufacturer of carpeting for home and office installations. Production capacity, demand, production ... Prove the following identities. 1+ sin x + cos x 1+ sin x 50 1 – sin x + cos x COS X 1 – sin x 51. – = tan x + sec x 1 + sin x what is the answer for question 1 on fraction cove beach party The study of light diffraction at a rectangular aperture involves the Fresnel integrals c (t) = ∫ 0 t cos 2 π w 2 d w and s (t) = ∫ 0 t sin 2 π w 2 d w . Construct a tabl... . 2) A lumber sawmill in British Columbia had a very prosperous year. The following observa- tions represent the number of hours of employee overtime required to meet consumer de- mand for each of t... 2.1 to 2.5. Each time a photocopy is made from a previous photocopy, the quality of the print decreases by 11%. Determine how many times this photocopying can be done before the quality becomes less t... i cant get the 2nd part correct! pls help. A couple buys a $180000 home, making a down payment of 20%. The couple finances the purchase with a 15 year mortgage at an annual rate of 2.54%. Find the mon... How can statistics be persuasive and misleading? Please provide an example. The theoreticallyr perfect interpolation function is the sine function. But we cannot actually use it in practice. Why not? . Question 2 (Module Outcome #2): 100 students were asked about the flavor of ice cream consumed in the past week: 27 students reported that they ate vanilla ice cream, 25 students reported that the... . Ms. Sally owns a well-known brand, Batik Trusmi with fixed costs of $500,000 and variable costs of $40 per unit. Each unit has a selling price of $80. Determine the number of units that must be so... 1 hour QUESTION 6 . 1 POINT Shana took out a $35, 000 student loan at a 6% interest rate. She will not make a payment for 4 years. How much will be owed in 4 years with monthly compounding? Round your... Match the type of variable with the correct example by placing the letter of the example in the space preceding the variable type. _____ Nominal A. Amount of monthly sales at a large department sto... help please. I he distribution of Master's degrees conterred by a university is listed in the tabl Major Frequency Mathematics 216 English 207 Engineering 86 Business 176 Education 222 Find the probab... Prepare the depreciation schedule, using the declining balance (twice the straight-line rate). (Input all amounts as positive values. Leave no cells blank – be certain to enter "0" wherever required.)... If the maturity value on a 5- week simple interest loan is $13,576 and the daily simple interest rate is 0.1%, how much was borrowed? (2.5 pts) Diane also started with 100 anger units. However, each week she lost 5 anger units. For example, after 1 week she had 95 anger units. After 2 weeks she had 90 anger units, and so on. Writ... Explain this well. 2. A bank offers 0.25% annual simple interest rate for a particular deposit. How much interest will be earned 1 million is deposited in this savings account for 1 year. Given: P = 1... In a Survey on Twitter, people voted the Allatoona was the cleanest high school in the state of Georgia. Allatoona won with 73% of the vote. The fine print states that there is a margin of error of + ... Maria works for a market research company. analayze the following survey which was designed by the peach marketing board. consider ethics, design for honest responses and bias suggest five changes tha... Subject: Food Engineering (Unit Operation) Pls. show step by step solution how to arrive in the given answer. Thank you! . 3. In a machine, buttermaking process is facilitated by a s... Problem 2 (adapted) Electron Inc. produces a variety of electronic products which it sells to retail stores throughout the country. The following data is available for the year for one of the products... math thx!!!. 1. Suppose that we have N observations denoted by x = (331, ...,J;N), from an autoregressive (AR) model of order 1. Therefore data is generated by the process, 33¢ = amt—1 +6″ 15: 2,... Please provide Handwritten answer of all parts. 7. (a) Use the method of partial fractions to find 2-(F(s) }: F(s) 38 + 5s + 3 (b) Use the Convolution Theorem to find 2-1{ F(.)): 3 F() (#2 + 4)42 (c... In a 3-point bending point test configuration (shown above) under static equilibrium, the following formula applies: Ay = By = – where F is the applied force (in N) and A and B are the reaction forces... show working. This data is from a sample. Calculate the mean, standard deviation, and coefficient of variation. 33.6 26.8 14.9 35.8 44.2 11.6 Click to Copy-and-Paste Data Please show the following ans... Find the savings plan balance after 2 years with an APR of 6% and monthly payments of $300. What is the balance Solve the following problem.. Prove that the number of partitions of it into parts of size 1 and 2 is equal to the number of partitions of n + 3 into exactly two distinct parts. Tristan and two of his friends purchased tickets to a school play. Tristan paid for all the tickets with a $50.00 bill and received $23.00 in change. If Tristan used a coupon for 25% off, what wa... () q2.pdf – Adobe Acrobat Reader DC (32-bit) X File Edit View Sign Window Help Home Tools q2.pdf X (? Sign In 1 /1 Question 2 Search 'Signature a) In Space Mining Expedition, a spaceship is required t... HOW DO I SEE THE WORLD WITHOUT MATH I. What would happen to the world without the existence of math? Explain the following comprehensively by incorporating scenarios with data inferences from research... please answer all questions showing work . The executor of Sam Jackson's estate is to divide $880,000 between three charities, the United Way, Heart Fund and Red _ Cross in the ratio of 6:3:2 respe... we can show that for this recurrence T(n) = T(αn) + T(βn) +θ(n) where α+β <1 then prove T(n) = θ(n) The product of integral values of x for which x^4-10(x^2)+9<0 is valid is? help please. Jarak dua lokasi di atas peta ialah 8 cm dengan skala peta itu ialah 1 : 450 000. Hitung jarak sebenar, dalam km, bagi dua lokasi itu. The amount of money spent weekly on cleaning, maintenance, and repairs at a large restaurant was observed over a long period of time to be approximately normally distributed, with mean u = $629 and st... 3rd grade math. Brain builder chapter 2 addition. Brain Builders Processes 16. & Practices 2 Use Number Sense Use the digits 0 through 7 to create two 4-digit numbers whose sum is greater than 9,9... Question 24 (2 marks) A cake shop has run out of square cake boxes, so they are having to use their round boxes for all their cakes. The following is the top view of a square cake that only just fits ... . 16. Simply supported beam in Fig. 293A. Find solutions Un = Fn(x)Gn(t) of (21) corresponding to zero initial velocity and satisfying the boundary conditions (see Fig. 293A) u (0, t) = 0, u (L, t) ... Let a group G act on a set X. We define a relation on X by x ~ y if there exists g ∈ G such that g . x = y. Prove that it's an equivalence relation. Describe the partition of X induced by this equ... . Q.1 Determine the total project time and all the critical paths. (a) A G 3 7 2 2 19 C F 6 please help . 5. In calculus we often calculate area as the integral of length. We can formulate this in differential geometry and see just when it holds true. Suppose give a surface patch o(u, v) wi... You have a container of Halloween candy. Every time you turn the crank a piece of candy falls out. There are 5 pieces of taffy, 14 mini chocolate bars, 3 pieces of gum, 4 Smarties, and 2 Hershey kisse... Let ?(?)=3(x? x) -2? x and the interpolation points x 0 = -2 , x 1 =-1 , x 2 = 1 a. UseUse the interpolation polynomial of your choice to approximate ?(0,7). b. Compare the exact erro... 3 Assignments 1. Suppose that Zt = 5 + 2t + Xt , where {X } is a zero-mean stationary series with ACVF {7KY. (1) Find the mean function for {Zt}. (2) Find the ACVF for {Z.}. (3) Is {Zt} weakly station... Thank you!. Determine whether the following functions are linear or not. (a) T : IR2 -> RR2 by T(y) = x +2y 3y + 1 (b) T: IR2 -> 12 by T(y) = x+3y 2xy (c) T : I2 -> R23 by T(y) = 2 xty x x... Dos alambres paralelos estan separados por 6.00 cm, cada uno con 3.00 A de corriente en la misma direccion. a) ¿Cual es la magnitud de la fuerza por unidad de longitud de los alambres? b)¿la f... anlysis. 5. Let f : [0, 1] -> R be defined by f (a) = if x = 1/n for some n E Z>o, otherwise. Prove that f is integrable on [0, 1] and compute So f. Given f7=25, what is the value of f8? (1 Point) a. 41 b. 35 c. 34 d. 29 . A researcher wants to test whether smoking and years of formal education are independent, at a of 5%. He took a random sample of adults and calculated the following Baby Chi's for this study... 2.. A researcher wanted to estimate the population proportion of voters who are disappointed in the Federal government's handling of COVID-19. The researcher took a random sample of 145 voters and ... PART D: Hypothesis Test using the Student's t-Distribution (10 Marks) Use excel to complete a t-test for the 2 diffe... . This answer has not been graded yet. 2. [-/0.62 Points] DETAILS LARMPMT1 2.1.005. Write each set using the listing method. (a) the set of integers from 3 through 11 (b) the set of letters in the w... cube is cut parallel to one face by making 7 cuts such that all the resulting pieces are identical. What is the maximum number of identical pieces that can be obtained now by making 9 more cuts in any... Question 1: It takes 10 units of carbohydrates and 4 units of protein to satisfy Ralph's minimum weekly requirements. The meat contains 2 units of carbohydrates and 2 units of protein per pound. The c... 15.Consider two people where one person is 20% taller than the other but proportioned in exactly the same way. (That is, the taller person looks like a larger version of the shorter person.... A current poll has Candidate A leading Candidate B by 46% to 42% with a margin of error or (plus/minus) 3.5%. Confidence intervals are created by adding and subtracting the margin of error to the poin... differences. How much taller is Tom more than Peter? 109 cm 1, 3 m Peter Tom A. 6 cm B. 21 cm C. 2,39 cm D. 0,021 m Alejandra pagará una deuda con $350 000 después de 4 años que se concedió el préstamo, si la tasa de interés que se aplicó fue de 18% compuesto anual, ¿qué cantidad le prestaron? One pump can empty a pool in 7 days, whereas a second pump can empty the pool in 12 days. How long will it take the two pumps, working together, to empty the pool? (Fractional answers are OK.) The fi... Using the provided tree, determine Pr[G|I]. 1228quiz4_7aTREE011.pdf 4 KB A. 263 B. 113 C. 3037 D. 1213 E. 737 . Using the provided tree, determine Pr[G|I]. 1228quiz4 7aTREE011.pdf 4 KB... Identifying Good System Administrators. A management consultant is studying the roles played by experience and training in a system administrator's ability to complete an set of tasks in a specified a... System of Equations of Circle/Line (L1) Can you offer advice on solving this type of system for all solutions (x-3) 2 +(y-5) 2 =65 x+y=-1 Answer: And... 29:44 0/S QUESTION 1 . 1 POINT Jessie has decided that she can afford a monthly mortgage payment of $600. She has been offered a 4%, 20 year loan from her bank. What formula could you type into Excel ... A sample of helium gas has a volume of 6.5 L at a pressure of 1.11 atm and a temperature of 25 °C. What is the pressure of the gas in atm when the volume and temperature of the gas sample are changed... 2a. Given sin 0 = V57 where OSOS27. Determine the exact values of cos 0, csc 0 and tan 0. (4 marks) b. Find the value of 20 in radians to 2 decimal places, (2 marks) Please and thank you!. Jotham needs 24 liters of a 50% alcohol solution. He has a 10% and a 70% solution available. How many liters of the 10% and how many liters of the 70% solutions should he mix to... For all real numbers x, if x is rational and not equal to 0 then x^2 is rational and not equal to 0 30.As part of your retirement planning, you purchase an annuity that pays 4.1%annualinterestcompounded quarterly a. If you make quarterly payments of $400 how much will you have saved in 5years? b. In... Equation form. During one week, 124 books were checked out of the school library. That same week, 77 books were returned. Did the library have more books or fewer books at the end of the week than at ... Solve the system of equations. -22=6 =7 2 w -3y+2z=-6 -r+2y =7 If there are infinitely many solutions, enter w, x, y, and = in the answer fields w, x, y, and z, respectively. If there is no solution, ... Part b question 3. 3. For what value of k will the polynomial f(x) = 3×3 + kx2 – 5x + 1 have a remainder of 85 when it is divided by (x – 3) ? I (3 marks) . 6. Starting on day n = 1, you buy one lottery ticket each day. Each ticket costs 1 dollar and is independently a winner than can be cashed for 5 dollars with probability 0.1; otherwise the ticket ... If you invest $10,800 in the United States, and the interest is compounded monthly, when, to the nearest month, will your investment be worth $30,000? Some data sets include values so high or so low that they seem to stand apart from the rest of the data. These data are called outliers. Outliers may represent data collection errors, data entry error... I need a model. Tower A is 115 m tall. Tower B is 10 m shorter than Tower A. What is the total height of the two towers? Compute 54 x 31 by showing the partial products. Sketch a rectangular grid to illustrate the product. Record your solutions by referring to the generic sketch and answering the following questions. As... you are charged $16.05 for a meal. Assume sales tax is 7%, what was the meu price for the meal? For my combinatorics class, any help would be really really appreciated! I'm completely lost. Please add explanation if you can! . Exercise 2) Consider the polyhedron ON OO ID P =xER' : ac OH L Draw ... I have 30 min to solve this????. Question Completion Status: QUESTION 5 1 points Sav 20 gtt/mL, 2 drops every 5 seconds, 12 minutes = mL 110 12.2 O 14 4 16.1 QUESTION 6 1 points Save A com... I have a project to choose a subject and link them can you help with some ideas. 1.09 NARRATIVE CHAIN Let X, Y be sets and f: X – Y be a function. Define Idy : X – X by Idx (x) def = x. Prove the following are equivalent: (a) There exists a function g: f(X) -> X such that gof = Idx (b) f is injecti... I would appreciate having a solution written with nice handwriting and detail explanations.. Find all the local minima and local maxima of the following function on R2: (c) xy2 +ay – xy; Please answer the following question.. Question 16 (4 marks) Show that if z1, 22, 23 and z4 are complex numbers with |23| # |24), then 21 + 22 21 + 22 S 23 + 24 23 – 24 Please help with the solution. . Question 6 What if the German forces had used a (ii—cylinder instead ofan 8—cylinder generator —— assume that the 8—... Consider the system yi = 1195g1 + 199592 U2 = 1197y1 – 1997y2 2 with initial conditions y1 (0) = 2, y2(0) = -2. Choose h = At = 0.1 with Wo = and 2 perform one step of forward Euler's and Backward ... Steve and Claire are married, and both lived and worked in North Carolina for the entire 2013 tax year. Their total adjusted gross income was $90,000 and they qualified for the standard deduction of $... Given the linear programming problem, use the method of corners to determine where the minimum occurs and give the minimum value. C=x+6y Subject to x ≤ 7 y ≤ 10 x + y ≥ 10 x ≥ 0 y ≥... Please slove This question. Section 16.2 Follow-up Exercises For each of the following functions determine the location of all critical points and dez mine their nature. 1 f(x) = 3×2 – 48x + 100 2 f (... (2.5 pts) Suppose that we could somehow measure and quantify Jack and Diane's love. Let's call the units "love units." Suppose Jack started with 10 love units of love towards Diane. Then ... mathematics economic and business. CHAPTER 3. Sketch the quadratic total revenue function which has a maximum value of 1000 at Q = 20, and which is zero at Q = 0. Hence, locate the second point where ... The pH scale is used to determine how acidic or basic an aqueous acid solution is. The pH of a substance is a measure of the concentration of hydrogen ions in solution. It is defined as follows: pH... Please help with this applied math question. In this MATH336 assignment problem, consider the LP: (P) min (-5, -7, -5)r 2 3 4 5 6 16 0 09 s.t. IVIVIAIA -J 8 T1, 12, 13 0. (a) Write the dual (D) of the... Suppose the group of 15 people consists of 7 men and 8 women. How many 6-person teams contain at most 3 men? In the golden section method show that Ock+1 = BK when f(ak) > f(Bk), i.e., when ak+1 = ak and bk+1 = bk. Sir i am stuck for this question . 8. Find an equation of the plane passing through the following given three points: a. Pi (1, 2, – 1), P,(2, 3, 1), P,(3, – 1, 2) b. Pi(1, 0, 1) P2(0, 1, – 1) P,(1, ... Please prove the following statement with a formal proof structure and explain each step. Thanks! *I will upvote **only prove it for all prime numbers for n . For all prime numbers, the quantity SIA ... QUESTION 4 MODELS FOR STRATEGIC DECISION MAKING . Qneatmn 1 Five options, A, E, U, D, E, are compared under the four criteria, Cl, Cg, Cg, C4. The first, third and fourth criteria. have the same im... For my combinatorics class – please include explanation! . 8. (5 points) For each of the following, state whether it is true or false. No explanation is necessary. (a) Let max { ca : Ax = b, x 2 0... In the sequence 3,7,11,15,19, the most probable next term is 23 The movement of the progress bar may be uneven because questions can be worth more or less (including zero) depending on Which value of k will make the following equation true? 5-1 125 No value of a w... Consider a graph G = (V, E). Let XM E {0, 1} denotes the characteristic vector of a matching M in G. Define P := convex hull of the characteristic vectors of all matchings in G, and P := {x ER : ZeeE ... Need help with step by step solution. Use truth table to show the equivalence. p – (q -> r) = (pr ~ r) ->q Can i please have full working out to this question and it's parts, thank you!. Question 4 [25 marks] A generator at a regional Power Station pmdums an altemating voltage1 according to the function, V... stuck on these 3 questions please show me how to do them thanks C 2.8 m 1.5 m F = 295 N 0.5 m 30 B 1.2 m 0.5 m. Part Description the magnitude of component parallel A. to the hinge axis of the door, (include units with answer) the magnitude of the component B. par... I need help. Factoring: Assignment Activity 4 1. Factor. a) V= x- – 8x – 33 b) y = x' – 12 x +ll c) y= x' + 7 x+6 d) y = x' – 8x +12 e) y = 5×2 + 45x + 70 f) y = x' + 0x – 64 2. State the y-intercept ... Watch the disney movie called: Up (2009) by Pete Docter LINK TO THE MOVIE (copy and paste the link): After watching the movie make sure to do all 4 observat... es QMS110-Applied Mathematics for Business Daniel Abiodun & = Homework: 2-B... < Question 4, *3.1.C.2 HW Score: 10.31%, 2.06 of 20 points O Points: 0 of 1 Save Part 1 of 4 The cost of operating... [10] 3. Consider A c Rxn with elements a;; defined as follows: 1 ifi = j; i= 1. ..n,j = 1. ..n 2 if i = j + 1; i = 2. ..n, j = 1. ..n- 1 aij = if i = 1, j = n 0 otherwise need helpppppp. 2nd Grade 4th Grade Jame: 6th Grade 8th Grade Write the Time 71 12 10 11 12 10 11 12 2 9 10 N 9 5 5 8 6 5 71 12 10 71 12 N 10 71 N 10 9 9 5 8 6 5 12 10 71 12 N 10 N 6 Need help understanding these problem set questions.. Find the I and y intercepts of the equation: 10r + 6y = 8 Use the intercepts to graph the equation. I EquauLy The intercepts are: y=z+8 Graph: y -... Question 12 < You have taken a loan of $73,000.00 for 23 years at 5.3% compounded quarterly. Fill in the table below: (Round all answers to 2 decimal places.) Payment number Payment amount Princip... In specific identification, which one is not true? None of these Low-cost items are often used in this method Ending inventory is associated with specific purchase prices Flow of goods and fl... Please show solutions so I can better understand it Part 1 Write an equation for a rational function whose graph contains all of the characteristics below. – vertical asymptote with equation ... Problem 3: Basis for polynomial splines In this problem, we are going to investigate how to construct a basis called B-splines for the splines of order & & m for some fixed me N. Consider a se... Using the example + + 7, explain why we add fractions with like denominators the way we do. What is the logic behind the procedure? Make math drawings to support your explanation. can you help me ?. It is given the functions Diberi fungsi g : x – 4x + 1 fS : x -+ 16x + 8x – 5 Find / Cari (a) 8′(x). (b) s(x) . Sir i am stuck for this question . 2 -1 3 -1 1 -5 Let A = 4 2 11 -3 10 1 3 4 2 -7 A is a matrix representation of a linear transformation T. Find a basis for the kernel of T. Use simplex method to solve linear programming problems. In maximization problems determine if there are any recourses left over: First picture is an example. Shade the pattern blocks to correspond to the fractions.. This activity is designed to use pattern blocks to visualize what happens when you multiply two fractions. The ba... Las cantidades ofertadas por dos empresarias del calzado, Andrea y Tessy, para surtir del mismo a una escuela en el interior del país, están dadas por las soluciones del siguiente sistema de ecuacio... X Carmen says that it's easy to multiply even numbers by 5 because you just take half of the number and put a zero on the end. Write equa- tions that incorporate Carmen's method and that demonstra... . Exercise 3.30. Let {n}nen be a sequence and 0 < r < 1. Suppose that n+1 – an <ran – Xn-11 for n > 2. Show that the sequence is Cauchy. Exercise 3.31. Use Exercise 3.30 to show the sequ... 28 out of 224 members of a seniors residence were infected with Covid 19. What percentage of the residents were infected with Covid 19? Each answer cell is worth four points. Your responses to the last six questions are Annual Return dependent upon your answers to the first nine questions. Year 1 Year 2 Nine years ago you began workin... Prove that there is a unique set T such that for every set S, SnT = 0. Please provide Handwritten answer. 1. How many multiplies and additions are needed for each of the following computa- tions? (a) composition of rotations via rotation matrices, CCo (b) composition of ... Problem (3) (30 Pts) Using the Queuing Theory principles, a) List Lq, and Wq for all of the stations in a table b) Determine the performance measure (L, W) of the system. 0.25 S2 S4 0.6 H,=15 HA=13 2=... hello help me plzzz. 213 Complete each row of the table below. The first row has been completed for you. Location Midday Change Next day midday temperature temperature Leeds -2 . C Up 3 C 1 . C Bristo... Chamberlain Math114N Week 4 Presentation Create a presentation explaining your step-by-step Approach to solving the problem below . Do you presentation in Power point or you just list what I Need to h... . . . PART B – Thinking 4 A parabola has the equation y = 2×2 – 16x + 25. 1 . Rewrite the equation in vertex form. 14 2. Identify the vertex of the parabola. /1 3. Determine the zeros. HINT: you canno... Using Desmos to design a roller coaster that using quadratic, circular, hyperbola, sine, cosine functions. Maximum length 200m Maximum height 60m Starting and ending must be horizontal and 5m above th... What is the probability that a lot will be accepted if a reliability testing plan calls for testing 15 items for 48 hours, with a reject number of 2, and the MTTF is actually 360 hours? (10) A couple plans to save for their child's college education. What principal must be deposited by the parents when their child is born in order to have $38,000 when the child reaches the age of 18? A... May i know how to solve it ?. BI. (a) A land reclamation ship needs a total of 3 (10 marks) hours to go 15 km upstream and then back again as shown in Figure 1(a). The river has a current of 2 km an h... Simplify this sentence Whole numbers such as 1, 2, 3, and 4 imply that the suture is very large diameter thread. This is coarse suture material. Please provide clear and neat solutions step by step? Thank you!. MATH 480 HOMEWORK 2: FIRST ORDER. WAVE EQUATIONS 1. (a) Use the substitution method from 2.1) to solve '1″ @_A at +633: _ u, u[:r:... Problem 4 (12 Points) Solve X1 = X1 +x2 x2 =-x1+x2, Angel invested a certain amount at 9% simple interest per year . after 7 years, the interest she received amounted to 49,000.00. how much did she invest? Solve the following. Find the number of permutations of {1, 2, .. ., n} that have n – 2 left-to-right maxima. Wake-up call. Suppose you wake up each morning and think of an event that has a one-in-a-1000 chance of happening that day. Round the answers to three decimal places. What are the chances the ev... Consider there are 10 savers. Each chooses whether to withdraw their money from the bank or not. So long as 6 or more savers leave their money in the bank, the bank remains solvent and each saver (who... I need help. e value of the U.S. dollar in comparison to the value of reign currency changes daily. Complete the table shown. bund to the nearest hundredth. Euro U.S. Dollar 1.07 1.00 6.00 6 10 ake 4.... Shade the least number of vertices of G that form a secure total dominating set.I t Question 4 0 / 4 pts Estimate the number of peas that fit inside a 1 gallon jar. 58,237.08 Evaluate the following: l i m n → ∞ ∫ 0 ∞ y n s i n y n d y , where we consider Lebesgue integral. top toys is planning a new radio and tv advertising campaign 300 dollars cost of radio and 2000 dollars cost of tv ads slader solution Sir i am stuck for this question . Question 9 Two ships pursue straight-line courses at steady speeds. At each time t (in hours, where 0 < t < 18). the positions of the two ships are given b... Calculate the monthly payment by table lookup and formula. (Answers will not be the same due to rounding of percents in table lookup.) (Use 15.5% for table lookup.) (Use the loan amortization table.) ... Identify two problem-solving heuristics you consider to be the most challenging to teach to students. Explain your reasoning. Simplify [-1, 3] v (-2, 0) u [1, 4). O [-1, 3] O (-2, 4) O [-1, 0) O {-1}. How men},r elements does the set {fl,{'i.{2,3}}} contain? 0 1 element 0 2 elements 0 3 elements E} 4 elements. Consider the ... 1.find integral of [(2sinx+3cosx+4)/(3sinx+4cosx+5)].dx (2.5 pts) The way Diane dealt with her anger was to run. Before the break-up, she was consistently running 1.75 miles per day. After the break-up, she ran an additional 0.5 miles each day. For exa... The following data were collected by an agency responsible for ensuring non-discriminali particular city. For each measurement, a young couple inquired about an apartment that had been advertised a... arithmetic sequence and geometric sequences. b) When the ball is dropped onto a horizontal floor it bounces such that it reaches a maximum height of 60% of the height from which it was dropped i) Find... What is the recommended distance that should be maintained from the equipment to the path ?. Styles y COIS. LUVUPITT V. The recommended climbing height for non-fixed and mobile equipment for children ... EX.2: Let m and MR denote Lebesgue measure on R and the collection of Lebesgue measurable sets. For s E (0, co), let 7, : L! -> L' be the linear operator that acts as (7,g) (s) = g(t – s) for all t... Calculations: Numerator =80, ratio=2.0, denominator = ? Ratio = 0.78, denominator = 20, numerator = ? Numerator = 7, denominator = 70, ratio = ? Ratio = 0.9, numerator = ... Using the example 10 . 47 to illustrate, explain in your own words why we move the digits in a number 1 place to the left when we multiply by 10. solve quadratic function. correct answer without an explanation will not earn any credit Find the vertex and write the quadratic function in vertex form (w the standard form). f(x) =12 – 12x + 100 Giv... We learned about integers modulo n and equivalence relation, but I am completely lost on how and where to start the problem. Please can you provide explanation and show steps on how to approach the pr... What is the amount of a $1,000 investment after 6 years if it earns an annual rate of 8% compounded annually? N = (1-2*pi^2*w^2)^2 Solve for W Set the equation above equal to h^2*R^2*W220/(2*sqrt(3)*lambda after finding W. Solve for H Looking for some help on ultimately solving for h. Thank you for your... QUESTION 2 . 1 POINT Sarah will ship packages for anyone. She charges $4 for her services and then $3.50 per item. What is the slope? (Do not include $ in your answer.) Provide your answer below: m 1)what operation is performed on each variable then; explain how to undo that operation to isolate the variable on each: (a) x-9=36 (b) x+9=46 (c) x/9=36 (d) 9x =36 You are setting up a life annuity with a present value of $150,000. Your life expectancy at retirement is 20 years, and you are interested in learning what your monthly yield will be if the APR is 7%,... Determine the measure of angle e given the following right-angled triangle. [2 marks] 13cm 6. Cory is building a ramp fer his school theatre production. It must climb a height of 65 em and have a s... Please provide Handwritten answer. Consider a second-price auction to sell an object in which there are 5 bidders. Recall that in a second-price auction, the bidder who makes the highest bid wins but ... . Exercise 2 – Eigenvectors [25 pts]. In R, find the eigenvectors and eigenvalues of the second-order tensors listed below and give a geometric interpretation of every tensor if possible. Assume tha... In n:la.n}..r applications, we are interested in spherical waves. typicallyr generated by a point source. We can guess the Ansata fer a spherical wave at a far distance {r —> co} to be of the f?... mathematics matrix. 2. Solve the following system of linear equations by Gaussian Elimination. X1 – 3X2 + 4X} + 6X, = 4 2x, – 6X2 + 3X} + 7x. = -2 H -3x, + 9X2 – 2×3 – 8X4 = 8 (15 Bring the business section of a major newspaper to class. Discuss the articles on stocks and bonds. choose 3 random numbers from 1 to 10 (repeats are allowed) and then select the second- biggest of the three numbers instead of the biggest. Define a variable called middleThree in Mathematica that ... A business loan worth P750,000 is to repaid in quarterly installment in 2 years. How much is the quarterly payment if money is worth 8% converted quarterly? WITH COMPLETE SOLUTIONS PLEASE 2d? Please and thank you. Graph an Equation on Paper and the Calculator 2. Look at the graph paper below. a) What is the smallest "x" value that you could plot? b) What is the largest "... create a graph with one even vertex and four odd vertices. Which of the following graphs has one even vertex and four odd vertices? A. O B. O c. B A B A B C D m E A A professor knows 9 jokes and tells 3 jokes per lecture. Prove that in a course of 13 lectures there is going to be a pair of jokes that will be told together in at least 2 lectures. Cobalah hitung nilai chi square untuk tabel di bawah bila diketahui alpha 0,05 dengan df 4 = 9,48773. Tabel 7 Agama yang dianut mahasiswa UT (n = 300) Agama Frekuensi Islam 60 Kristen 30 Katolik 40 Hi... hard sum please solve it. A parallelogram has sides 12 em and & cm. If the distance between the 8 em sides is 7.5 cm, find the distance between the 12 cm sides. pls practice me cause I don't understand. The Venn diagram below shows the kin watched. Volleyball Basketball 17 11 4 in w How many people watch volleyball? How many people watch basketball? ty 3 : Th... 6 (11 marks) Prove Darboux's result, namely that for a given function f E C2(R3) the following quantity, f (20; p) : ATP JOB(I;P) f (w) ds(w), satisfies the wave equation Oppf – Axf = 0. A private investment club has $180,000 earmarked for investment in stocks. To arrive at an acceptable overall level of risk, the stocks that management is considering have been classified into three c... please help need it in 1 hour. 4- Let X, Y be rv's with joint density fxy(x, y) = C(x + y) for 0 <y< x < 1 and = 0 otherwise. (a) Determine the constant C so that this defines a joint pdf. (b... Can my tutor please explain and answer all of the following question, please show your work . CHRIS anHOY Chapter 7.3 1. In each case, find p and q. a. n = 80 and X – 40 b. n = 200 and X = 90 c n = ... Sir i am stuck for this question with neat explanation. TRIGONOMETRY Q1 In the triangle PQR shown, angles P=55, R=60 and length PR=43.7 m. P (i) Solve this triangle and [9 marks] 550 43.7 m (ii) find ... Defend the following statements by using any proof technique: (a) For everyr n in N, n2 is even == n is even. " _ n(u+l) WHEN. I: . 330 2 Please answer all parts to the question below. I will upvote!. 2. Show algebraically the following double inequality cty VIy OZA'IA 2 Determine the area of the triangle with vertices (8, −4, −9), (9, −5, −8), and (5, 0, −13). Use the square root symbol '√' where needed to give an exact value for your answer. ... Network in Problem 1: Formula 7: Thanks in advance. Will rate any help. 2. For the network in Problem 1 find the maximal flow I.) by inspection. Verify formula (7} for this example, and verify that ... D Question 6 Find the value(s) of the function, subject to the system of inequalities. Use the graphical method Find the maximum and minimum of Z = 20x – 22y subject to: O s x s 5, 0 < y s 8, 4x + ... What is an f, norm? and for what values of p? what happens when p < 1? 5. Show that the solutions to the problem (P1) is convex and bounded. If 10% of my body mass is 12 kg, calculate 25% of my body mass Using a truth table, determine whether the given argument is valid or not.. ARGUMENT: 7 points If you take PE 1 in the first semester, you will be eligible to take PE 2 in the second semester. You wer... Frances made this line plot to record the weights of the tomatoes she picked from her garden. Tomato Weights + XXXX + XXX X X co- XX co / – Co/ A co|0) co/ No Weight (pounds) Key: Each X represents 1 ... Prove the following statement: Let the surface S be the graph of a differentiable function 2 = g(x, y) over the domain (I, y) e [-a, a] x b, c) (where a, b, c are fixed constants satisfying a > 0 a... Math Problems: You must show your work to receive credit. Use the following information for Questions #101 to #105: Head and Pressure Math Head, feet = (x, psi) x 1 foot of head 0.433 psi Pounds per s... Justify all your correct answer by explaining the reason/solution of your choice ASAP . 22. What is the standard form of the equation x2 – 36y2 – 20x + 64 = 0 ? 9 erin mala gill al in a.- (x-10)2 ... Duality and sensitivity analysis on the toy problem Consider the linear program max 211 + 12, subject to 12×1 + 3×2 < 60, -3×1 + 12 57, $2 – 10, $1, 12 20. (a) Write the dual of this linear prog... We have the following precise data measured from a study: A. What would be the maximum order sing Newton interpolating polynomial? Why? B. Use 4th-order Newton interpolating polynomials to determine y... For the diagram above, given that the magnitude of F": 9 k", x = 4 m and y = S m. calculate the following: 1: The A: component of the resultant force, F". Please provide the answer in kilo Newto... (20 points) The profile below shows the preferences of voters in an election with 3 candidates (A, B, and C). Number of voters Preference 10 C > B>A 8 A > B > C 7 B > C>A C > A... Go carefully through Propositional Logic 2.1-2.4. Try the exercises and examples. Fill in your Propositional Logic Study Sheet. Using the 6 rules of inference, prove these arguments are valid. Do it t... /10 Points] DETAILS SOWRECMATH3 3.1.006. MY For each of the following story problems, identify the problem type. Also state the meaning for subtraction that is indicated in each story problem. (a) Vil... What will be the value of x in the given equations * 5 points w+ x+y+z=2 2w – x – y + 2z =7 2w + 3x + 2y – z=-2 3w – 2x – y – 3z =-2 OB.3 OC. -2 O D.1 Solve for x using Laplace expansion method * 5 po... Maths. List Price = 0.00 b) What is the rate of the discount on the products? Note: Please make sure your final answer(s) are in percentage form and are accurate to 2 decimal places. For example 34.56... Let a1, ..., an be a set of linearly independent vector in R", and let Q be an n x n symmetric positive definite matrix. (a) Show that the vectors di, ..., dn defined below are Q-conjugate. if... (20 pts) For the nonderterministic FSA below, construct a deterministic FSA that recognizes the same language. 0 , 1 START 1 So 0/ 1 S3 1 1 Direction: Choose the letter that corresponds to the correct answer. If answer is not found among the choices, write E. 1 It is a polynomial equation of degree two that can be written in the form ax 2... Please show all work!. . Let X be a set and S C P (X) be a subset of the power set of X. Prove that (a) X – JA = n(X -A). AES AES (b) X – A = U(X -A). AES AES Solve the following.. 4. You are given a family of n pairwise intersecting circles in the plane. No three circles share a common point. Find a simple formula for the number of regions determined by th... Answer the following. 5. A cur accessory is sold for $40.51. The store's marky based on coat is 35%% () What is the cost of the car necessary? (b) What is the rate of markup based on selling price? 6.... Please explain step by step your how we solve this problem Let A= A(T, V) and G= G(T, p) be thermodynamic state function with total differentials dA=-SdT-pdV and dG= -SdT+Vdp where p, V, T, and S are ... Please do question number 2.. Ecologists study how populations of marine species change over time. Growth rates, resource availability, and density factors contribute to the size and composition of po... Research about some arguments of educators who believe that mathematics should not taught in the primary grades. Then write the rebuttals of each 2.- buscar las temperaturas maximids y minimas de cuatro dias de sul de residencia y llenar el siguiente cuadro. Fech Temperaturemperatu|Observaciones de la influencing de a ra ra minima temperatura s... Consider the fuzzy sets A, B : R+ – [0, 1] defined as A(T) = 1+12, B(x) = Tor. Calculate ATLB, ASLB, ATGB, ASGB, where TL,G and SL.G stand for the Lukasiewicz and Goguen t-norms and t-conorms, and ... please help. QUESTION S 5.1 In the diagram below, T(x ; 15) is a point in the Cartesian plane such that OT -17 units. P(-2 ; a) lies on OT. K is a point on the positive x-axis and TOK = 0. T(x : 15) P... Standard automobile license plates in a country display 2 numbers, followed by 3 letters, followed by 2 numbers. How many different standard plates are possible in this system? (Assume repetitions ... grade 12 advanced function. 3 A (6) A POLYNOMIAL FUNCTION P (X) = x tax +9x+b S HAS A FACTOR OF

X-1, THE GRAPH OF P (X) PASSES THROUGH THE POINT, (2, 40). DETERMINE THE VALUES OF a b. "Business Loans and Consumer Loans – General Mathematics " 1. A business loan worth P750,000 is to repaid in quarterly installment in 2 years. How much is the quarterly payment if money is worth 8%... refer to image for question. 5. [-/2 Points] DETAILS HARMATHAP12 5.3.025.MI. NY NOTES PRACTICE ANOTHER The sales decay for a product is given by S = 80,000e -.3*, where S is the monthly sales and x is... Which of the values in the general logarithmic function (X-alog1 (*(x-d)) + should be multiplied by + I in order to cause a reflection in the y-axis? a. A. B. k C. D. d Sir i am stuck for this question . (2 points) A company manufactures x units of one item and y units of another. The total cost in dollars, C, of producing these two items is approximated by the func... Q11 (need accurate solution with hand not on a page. 11. Prove by induction that for every n E N, there are two numbers s, t E N such that 2 n = (s + t)(s + t + 1)/2 + t. (Hint: ... please help me i am stuck . A system of 3 equations in 4 unknowns (t], 12, 23 and =) was expressed as an augmented matrix, and using row operations the final matrix in the augmented matri... QUESTION 3 a) The sets A and B are defined by A = {x|x2 + 6 = 3x or x2 + 2x = 8} B = {2,3, 4} Which of the following statements is true? (i) A + B (ii) A = B Give reasons for your answers. [2 marks] b) ... Solve the linear programming problem graphically. Please include the solution and graph 1. Maximize Zj = 3x + 3y Subject to: 2x + 4y ≤ 12 4x + 4y ≤ 24 x ≥ 0, y ≥ 0 2. Maximize Z = ... Question 7 (10 marks) A playground is being built with the dimensions of 56 metres by 84 metres. The area in the playground occupied by the skate bowl, grassy play area, climbing frame and seating ar... The movement of the progress bar may be uneven because questions can be worth more or less (including zero) depending on y Find the measure of angle ZAGE in the figure below. Enter only the number. G ... A condo unit the water in Myrtle Beach can be rented for $280 per day, with a non-refundable application fee of $50. Another one down the beach can be rented for ... Eighteen equally spaced holes are to be drilled in a metal strip 968.75 mm long, with 93.6 mm remaining on each end from the center of the first and last hole, to the edge of the metal. Find the dista... [illegible] ... Sam eats about ... Use Pascal's triangle to answer the question. Dave Pascal... mathematics of finance. 10. A city has $2.5 million worth of school bonds that are due in 20 yr and has established a sinking fund to retire this debt. If the fund earns interest at the rate of 7%/year... Proposal budget for three different colors of paint with corresponding ground maps. A mortgage is secured at 4% for 25 years. Compute an amortization schedule for the first 3 months. Round your answers to two decimal pla... Please answer the question below. Ans... mathematical Pascal's triangle ... [illegible] ... 1 Previous Page Next Page Page 14 of 14 Question 14 (2 points) In solving x – 2 < 6 – x, ... Need some help ... [illegible] ... Ques Sir i am stuck for this question . Find the harmonic conjugate ... [illegible] ... Suppose that a polynomial subdivision of V, E, F) of the torus T is constructed using hexagons in such a way that each vertex ... [illegible] ... The characteristic ... Show that a(n) ... [illegible] ... Let A be a ... The balance on the Wood's credit card on May 12 th ... Binomial distribution ... [illegible] ... Assignment DESCRIPTION in this assignment students will explore the relationship between fractals and numeric sequences. ... [illegible] ... Find all x such that ... PROBLEM No. 3 ... Let ... Explain Why ... The amount of money ... [illegible] ... Please explain in detail ... [illegible] ... El pendulo simple se monta en un elevador. & Que le sucede al periodo del pendulo ... Application of quadratic equations. A ball is thrown upward and outward from a height of 6 feet ... [illegible] ... $ FIRST BANK OF WIKI 1425 JAMES ST. PO BOX 4000 CHEQUING ACCOUNT STATEMENT VICTORIA BC V8X 3X4 1-800-555-5555 Page : 1 of 3 JOHN JONES Statement period Account No. ... [illegible] ... PROBLEM No: 3 The average cost of a ... [illegible] ... Use the ... method ... [illegible] ... QUESTION 8 . 1 POINT Your company is ... [illegible] ... Subject to ... [illegible] ... Jose Luis ... [illegible] ... Find the limits ... Hello Teacher, can you please kindly tell me if I'm right or wrong. ... [illegible] ... ANSWER ... [illegible] ... is 5 yar... please help with the following.. Question 9 4 pts [Prove that n2 > 2n+ 3 for n a 3] 1. Inductive Step: State the inductive hypothesis. 2. State the goal, what you need to prove based on the inducti... A circle is defined by the equation x 2 + y 2 = 81. State the coordinates of the centre. (1 mark) State the radius. (1 mark) 2. The line segment AB has endpoints of A(5,3) and B(2,7... n ciudadano compro un apartamento por $10.000.000. y los gasto de escritura y la comisión fueron de $200.000. y espera venderlo dentro de 6 meses por $13.000.000. Los gastos y rentas durante ese tiem... Question 35 2.86 pts Gold miners in Alaska have found, on average, 12 ounces of gold per 1000 tons of dirt excavated with a standard deviation of 3 ounces. Assume the amount of gold found per 1,000 to... every week sixty dancers in a large troupe are divided into groups and each group is assigned to create a dance in one of the styles: jazz, hip hop, traditional and swing. In how many ways can the dän... Help needed to understand Tickets for a raffle cost $$12. There were 850 tickets sold. One ticket will be randomly selected as the winner, and that person wins $$1800 and also the person is given b... In a survey of 250 members of a local sports club, 125 members indicated that they plan to attend the next Summer Olympic Games, 75 indicated that they plan to attend the next Winter Olympic Gam... Linear Programming: A Geometric Approach (please dont use excel for exploration). Deluxe River Cruises operates a fleet of river vessels. The fleet has two types of vessels: a type-A vessel has 60... . (2.2-5bd) The following methods are proposed to compute 211/3. Rank them in order, based on their apparent speed of convergence, assuming p0 = 1. 3 _ _ pn_1721 '3' p11. — pn—l 3Pi—1 1/2 d' p... Situation: A small company in Bayamón manufactures small solar power fans. A salesperson is paid a bonus if he/she sells more than four fans a day. The probability of selling more than four fans a da... Let X be a finite set. Prove that if A1, . .., A; C X and Ak nAe = 0 for all k # l, then UA; = ElAil. i=1 i= If both 7 and 13 are factors of 1001. How can i use this information to get two other factors? 0/ 10 pts Use synthetic division to divide a + 5×2 – 2x + 2 by x – 1 -2 2 The quotient is: The remainder is: Question Help: Video Message instructor II . True of False 7/9=777/999 ( ) 50/30 = 80/60 ( ) 5/2 = 2.5/1 ( ) 21/30 =71/100 ( ) . Academics | myLU X Lu Dashboard X "_ Module 12: WebAssign Assign x M Inbox (16,9 – C webassign.net/web/Student/Assignment-Responses/submit?dep=27416918&tags=autosave#question296817 ATI li... X + penacc.edu/ultra/courses/_13085_1/cl/outline Question Completion Status: QUESTION 3 following activity: Luigi has a revolving credit account at an annual percentage rate of 15%. Use the average da... Question 3: Consider the following problem min f(x) subject to x 2 0, (1) where f : R3 -> R is defined as follows: f(x) = max ((x1)2 + (x2 -1)2 + (x3)2, (x1 – 1)2 + (x2 -x1)2+2, -x1+3×2+x3-1). Solv... Emily is training for the 100-mile MS Bike to Bay. During the first week of training, she cycled 75 miles. She cycled 84 miles the second week and 89 miles the third week. She cycled 98 miles the four... here's my question. (1) Consider f : R —) R given by "93) = sin(1/ex). Prove that f is uniformly continuous on [0,00). You may freer use the facts d(e°') file: = em and that Mm) = e'" is a... Question 5 Let h denote some branch of the log function. Assume that h(20) = 1 + gi for some zo E C \ {0}. Let w EC \ {0}. Then h(w) cannot be equal to which of the following? (a) 1+ ri (b) 3 (c) 2021... Dados los conjuntos U, A, B, C, determina el conjunto indicado en cada caso. U = {1, 2, 3, 4, 5, 6, 7, 8, 9, 10} A = {2, 4, 6, 8, 10} B = {1, 2, 3, 4, 5} C = {1, 3, 5, 7, 9} please do it right . Add the given mini-IEEE floating point numbers and represent the result in mini-IEEE format (renormalize if necessary) 0 1100 11101 1 1001 01001 Result: Sign Exponent Mantissa 0 ... could you help me to find 3 lesson and 3 activities that suitable for year 5 and year 6 (combine or connected curricula) in the 'big idea' of number, place value, algebra and probability. please elabo... Find two consecutive even integers such that three times the larger number is 30 more than the smaller one . thx for help The following pair of equations indicate a variation on the impedance of a circuit formula introduced prior. Solve the formula. XT = 6 R = 12 7 + R2 – X2 Round to the nearest tenth if necessary. please help. F Learning Task 2: A. Evaluate the algebraic expressions Let a = 4, b = -5, c = 0.6 , x = -3, y = 0.4; z=> Algebraic Expression Value Algebraic Expression Value 1. 3abc + bc – a 6. 3×2... Leah is working on the multiplication problem 2.43 X 0.148. Ignoring the decimal points, Leah multiplies 243 X 148 and gets the answer 35964. But Leah can't remember the rule about where to put the... Quick help!!. Match each equation on the left to the mathematical property it uses on the right. (2 . x) . 6 = 2. (x . 6) commutative property of addition 3(3x + 2) = 9x + 6 commutative property of mu... Next question You can retry this question below Identify the degree, leading term, and leading coefficient of the following polynomial function leading leading degree term coefficient f(x) = – 7x + 2 ... NJOONzkw/a/NDIxMzg1MDIwMjk1/details Fall 2021.pdf Open with Google Docs 5. (22 points) Consider the graph shown below. Use the Sorted-Edges Algorithm to find the "lowest cost" Hamiltonian ci... In general, SHbW ALL WORK. You must use the material from the class slides only to do these problems. For example, the SONC mentioned in Problem 3 below is the one from the class slides and you must n... A gardener plants flowers in a 50ft × 50ft field by throwing a bag of flower seeds randomly over the field, hoping to attract bees. A bee is attracted to flowers if there are at least 3 that are wi... answer all subquestions. The objective of this problem is to explore polynomial splines through a combination of explicit calculations and some light programming. We didn't get to cover this in class ... A child pulls a string attached to a toy of mass 0.4 kg on a low horizontal table. The toy moves in a straight line towards the table edge with a constant acceleration of magnitude 1.5 m s−2 . The s... 27:50 0/5 QUESTION 4 . 1 POINT Tom is saving for retirement. He deposits $225 each month at 3.8% annual interest for 40 years. According to his calculations, at the end of 40 years he should have $253... nuh knw help pls??. An American tourist changed US $700 into Trinidad and Tobago dollars at a rate of US $1.00 = TT $6.30 She spent, in Trinidad, TT $1 858. She then travelled to Barbados wh... Among the 2 598 960 possible 5-card poker hands from a standard deck, how many contain at least one diamond Let A , B , and C be sets in a universal set U . We are given n (U) = 77, n (A) = 37, n (B) = 37, n (C) = 36, n (A ∩ B) = 20, n (A ∩ C) = 17, n (... Let X, Y, Z be sets, f: X – Y be a function, and g: Y – Z be a function. Prove or disprove the following: (a) If go f is injective, then g is injective. (b) If go f is surjective, then g is surjective... wer saved Points out of 5.00 Flag question All of the following are true of the normal distribution EXCEPT? O a. It always has a mean of o. b. A total of (approximately) 68% of the distribution lies w... Let S be a nonempty set. Let ~ be a relation on ℘(S) defined by: Letting T and V be arbitrary subsets of S, T~V iff T⊆V . Construct counterexamples for symmetry and irreflexive and conn... this question. Question 16 (1 point)) Listen Match the following household measurements to metric measurements. 960 mL > 1. 32 OZ > 6.8 kg 2. 8 tbsp.(tablespoon) 2.5 mL 3. 2.2 lb (pounds) > ... Solve the following problem.. 9. Find the number of distributions of 12 blue, 13 white, and 14 red balls into 4 different boxes, where each box is supposed to get at least two balls of each color. (No... Communication 4. If the axis of symmetry in a parabola is x = -5 and one of the zeroes is (-8 , 0) , find the coordinates of the other zero? [1 mark] 5. How can you determine the direction of opening ... Cox Electric makes electronic components and has estimated the following for a new design of one of its products: Fixed cost = 10,000 dollars Material cost per unit = 0.15 dollars Labor cost per unit ... 8) (4 points) Shade in the Venn Diagram representation for A'nB'. Be sure to mark which one is the final answer: B A B B help me please. The dilation centered at S with scale factor N/ – P Q R O prove using law of set theory. A'nB')U(AnB \ A = A' Why should you calculate the mean and standard deviation for sample data What are the application and appriciation for mathematics in bus Kaitlin is on a game show. She will choose a box to see if she wins a prize. The odds in favor of Kaitlin winning a prize are 4/3. Find the probability of Kaitlin winning a prize. The manager of an... Given the following function, (a) find the vertex; (b) determine whether there is a maximum or a minimum value, and find the value; (c) find the range; and (d) find the intervals on which the function... Need help with step by step solution. 2. (15 pts) Determine the given syllogism is valid or not. lel at Nov 29, 2021 8:30:55 AM (fc38d42699a8d30@641fbc53d6515144) If Jack has a test tomorrow, then he ... Nuptial inc paid the rent for the next six months which of the following accounts titles will be debited? (5 pts) Find the maximum value of the function f(x, y, z) = 3x + y + 4z on the ellipsoid 36. Explain briefly how you know that the value you found is the maximum value, citing relevant theorems as ... full answer. In the following situations, decide whether you would use a personal interview, observation, mailed questionnaire or telephone interview. Substantiate your answers. a) A poll of students ... Provide a function which is Lebesgue-integrable but not Riemann-integrable. Show that the function is Lebesgue-integrable and calculate its Lebesgue integral and argue why the function is not Riemann-... 18 19 b varies inversely as c. If b = 4 when c = 3, find b when c is 5. b = X Write a word problem for N . 5 = ? 3 Use the definition of multiplication and math drawings to determine the answer to the multipli- cation problem. Explain your answer. 2.-na preselección de fútbol está formada por 2222 jugadores, ¿de cuántas formas diferentes puede el entrenador integrar un equipo de once jugadores? 3.- En un ejército hay 200200 soldados... 1.Ethical treatment of employees includes: 1) Hiring your friends and other people whom you know and trust. 2) Having regular daily meetings to allow employees to bring iasues forward. 3) Providing fa... Question:. f 9 C= c) A line is given by the equation r(t) = (1+2t, 2+Dt, 4+Et) and a plane is given by the equation x + 2y + 3z = 4. If the line is perpendicular to the plane, what are D and E? Answer... Help. SchoolCity < STUDE_C Paradise Valley, AZ._|Inbox – gtafollacam. Authentication Port . Th Formula Mathematics 4. Lori and Mike Boyd have a combined Electricity $ 2,960.00 monthly gross income ... Let Xn , In and Ink be as in the previous problem. Define Y = {0, 1} and Zn = Fun(Xn, Y). For each A C Xn, define XA E Zn by XA (X) = X EA, 0, xEA. Define D: Pn > Zn by D(A) – XA. (a) Prove that &... Inclusion Exclusion: Problem 5 (1 point) How many elements are in the union of four sets if each of the sets has 98 elements, each pair of sets share 55 elements, each triple of sets shares 21 element... Question #1. What principal amount will accumulate to $9,392 in 5 years if the interest rate is 5.49% compounded semi-annually? If you are using the worksheet on the calculator, write down what num... what are the answers?. CHEM 101 Internet/Hybrid Lab Report – Data Tables DATA TABLES – Submit with the Lab Report Sheet I. Area of Rectangle (A=LW) Answers Units (1) Length of rectangle (AB) cm (2) Wi... MATH 1053 – Quantitative Methods for Business Appendx 4 Q Events is growing in popularity and Wilson has noticed your talent in the business when dealing with numbers and providing insights. He is sti... Please provide Handwritten answer. Let F be the set of all weight 0 weakly modular functions. Show that F is a field. Show that F = C(j) and that j is trascendent over C. Hint: First suppose that f is... A matrix A has the following LU factorization 0 07 -3 2 A b 22 3 0 0 58 To find the solution to Ax = b using the LU factorization, we would first solve the system Ly = and then solve the system Ux= th... WEEK 2 . DAY 1 Per Pucci Chloe has three dogs. Corky weighs twice as much as Muffin. Rufus weighs twice as much as Corky. The total weight of the dogs is 77 pounds. How much does each dog weigh? Find the orthogonal trajectories of the family of parabola described by the equation (y −) = cx 2 3 . Determine also the type of family of curves is orthogonal to the given curve, i.e. Family of Li... 1) Multiply the following binomials. Show your work. (7 marks) a) (3y-1)(4y+5) b) (2x+1)(-3x-7) C) 2(m +3)(m+5)-4(2m +3) 2) Common Factor the following: (4 marks) a) 8x' -6x y' +4xy b) 3x -6x' +9x Hi can you help me with this Math question.. PROBLEM 2: DRAWING FUNCTIONS Draw a sketch of any function that meets the following characteristics: Domain: (-4, 09) Range: (-co, 5) End Behaviour: X–4 f... business mathematics. A sales representative selling auto parts receives a commission of 4.5% on net sales up to $10 000, 6% on the next $5000, and 8% on any further sales. If his gross sales for a mo... PLEASE ALL WORKING OU!!!. Section 1 Pa rt A The following equation is used to calculate the energy loss in a fluid flow due to a sudden expansion of pipe size: E=fl.5 *e'p'fU-VF Where the quanti... Evaluate: S yx2dx + xzydy + xz dz, where C:x = sint, y = cost, z = t2, (0 S ts 1). Please fully answer the question to the best of your ability! I will make sure to upvote!. 1. Recall Euler's formula e" = coso + isin 0 and the multiplication formula elliet'i = (0+0)i. Consider ... please help me solve this. Find the Differential Equation of the given family of curves described: 1. Straight lines through fixed point (h,k); h and k not to be eliminated 2. Straight lines with slop... Help needed understanding these problem sets. A sample of size n = 10 is drawn from a population. The data is shown below. 61.6 44.6 65.2 58.3 54 68.6 88.9 88.9 73.7 88.9 What is the range of this dat... /2 Points] DETAILS BBUNDERSTAT10 3.2.012. One indicator of an outlier is that an observation is more than 2.5 standard deviations from the mean. Consider the data value 80. (a) If a data set has mean ... could you please help me with this question? and explain it. 4. Consider the following function: f : Z>1 -+ Zz1 n – 1 if n is even n H n +1 if n is odd. (a Show that f of = 1zz1. (b) Deduce that f ... Null hypothesis is the statement of what is being investigated is it true or false? Consider sets A and B. If A has 10 elements and A C B a) Is it possible that AnB and AUB have the same number of elements? (Justify briefly) (2 pts) b) How many subsets must B have at minimum? (Jus... Please provide Handwritten answer. [Q5.1] Show by induction the recursive derivative formula 1 if Xi < x<xi+1 B; 1 (x) = -1 if Xi+1 < x<xi+2 [T – wz + y : =!A 0 else e e Bie-1(x) – Bit1,... Let Z denote the integers and let m be a fixed positive integer. Define the binary relation ~ on Z via x ~y if and only if m divides x – y. (a) Prove that ~ is an equivalence relation. (b) Prove that ... A sales region is divided into five territories, each of which is believed to have equal Sales Volume. The actual Sales Volume for several sampled days is logged in DATA. At α=0.05 do the territories... Sir i am stuck for this question . Part 1. (Up to 4 points) Write an essay of at least 300 wort . in length covering sinu- soidal curve fitting. This essay must cover the following: – You must explai... choose the correct written expression for 34 – (9 ÷ 3).. Choose the correct written expression for 34 – (9 : 3). 9 minus 32 divided by 3. The quotient of 34 minus 9 and 3. 34 minus 9 divided by 3. 34... A wholesaler listed a food additive for $16.00 per kg. To attract a new buyer the product was offered with the following discounts; 16%, 12% and 3%. Respond to the following questions. a) What is t... x^2 – x – 12 (x+3) (x-4) x= – 3 & x = 4 The question was to find the mistake and write the correct proof. (The mistake was finding the prime factors and writing the proof but im stuck so I... When Nestor filled his federal income taxes, he was happy to learn that he was due a refund of $640. He was less happy to learn that it would take 41 days for his refund check to arrive. His tax prepa... Sir i am stuck for this question a,b,c i mean first 3. Show that these series are convergent and calculate their sum. 00 EM 1 (X) Z 211 + 1 n2(n+ 1)2 1 2 211+ 3 1101; + 1)('n. + 2) 1 All QUESTION 1 . 1 POINT The deer population in a rural county is increasing by 18% each year. Suppose 300 are currently in that county. Create a model to represent this population. Provide your answe... Let a n =3n-2 so that a 1 =1, a 2 =4 ,a 3 =7,..., and that A n =a 1 +a 2 +...+a n =1+4+7+......+(3n-2). Show that: A n = n(3n-1) /2. for all n E N. Use induction Jesse took out a $14,000 car loan for 5 years at a 7.2% interest rate. Find Jesse's total payment amount for this loan. Kepuasan konsumen dalam mengkonsumsi produk x dan y yang ditunjukkan oleh fungsi utilitas total sebagai berikut: TU = 2X 2 Y Jumlah pendapatan/anggaran konsumen adalah $1000, sedangkan harga x dan y p... Travelocity would like to test if the average roundtrip airfare between New York and London is less than $1,400. A random sample of 30 flights between New York and London was selected and the airfare ... Please provide Handwritten answer. Two vectors A and B are given as: A= = cos pa, +e sing a and B= r cosda + Inza, (i) Find V . A . (ii) Find V(A.B) . (iii) Find the Laplacian derivative: V(V.B) . ... Let P(x) : Student x attends at least 80% of the lectures. Q(x) : Student x finishes at least 60% of the questions in the final exam correctly. R(x) : Student x gets at most a C+. be three open sta... Could you please assist me with my transition diagram? I've attached a screenshot of what I created in response to the assignment instructions.. Assignment Create a transition diagram to show the prob... What is the bulk modulus of a body that experienced a change of pressure of 5 x 104N/m2 and its volume goes from 4 cm3 to 3.9 cm3, in N/m2? (Do not express your answer in scientific notation, 0 d.p... Sir i am stuck for this question 7. Determine all the equilibrium solutions of the autonomous differential equation ? ' = ?^2 − 2? + 1. Classify these solutions as stable, unstable or nei... TIME SERIES STATISTICS I NEED HELP WITH QUESTION (ii) ——————————————————————————– I HAVE MANAGED TO SOLVE THE FIRST QUESTION TO... Consider a participant that is asked the question have you ever committed crime X? This question admits a yes or no answer. Before answering the participant is instructed to use the following algorith... Prove that if the sequence (In) is not bounded, then it is not convergent (do not use example) contrapositive : If the sequence is convergent , then I I sequence is convergent if HEDO a NEIN s. L. nEN... DQ1 (10 points): Solve 64* = 16* sin (x+#) for X, given x E [0, 2x]. Show all steps. Insufficient justification, illegible, or unclear work will result in a loss of marks. Type OK below. Francisco y Eduardo son dos jóvenes estudiantes de la carrera de Gestión Comercial en ISIL. Dichos alumnos han faltado a clases por cuestiones laborales y desean saber exactamente a cuantas sesiones... Suppose x has a distribution with a = 54 and o = 8. LO USE SALT (a) If random samples of size n = 16 are selected, can we say anything about the x distribution of sample means? O Yes, the x distributi... A is a 5*4 matrix. How to know the basis of another Nullspace if xn=<3, -4, 2, 1>, and two particular solutions to Ax are xp1= <1, 1, 1, 3>and xp2= <0, 2, 2, 2> And what's the comp... Part 1 Exercises: Find the following for a 15-year loan of $125,000 with an interest rate of 2.75%. 1. What is the monthly payment? 2. What is the total amount paid for the 15 year term of the loan? 3... dit. Question 11 oint w Did I Do? nd the intercepts and the vertical and horizontal asymptotes, and then use them to sketch a gr the function. f (z) = x+2 72-25 ter the intercepts as points, (a, b). e... Need help practice questions I feel like number 1 is right but at the same tine I dont know. Find an equation in slope-intercept form for the line. Through (8,9), m = – 4 40 The equation of the line i... For the following diagram, determine <ADC. [4 marks] D 12 cm 480 420 B E 4 cm i cant answer it. A 5 BL3 C -3 D. – 9. What is the solution of the equation Var – 1 – 27 A rno B. 1=1 10. What Is the value of r in the equation var + 1- v5 – 10 07 A I B.2 C 3 D. 4 Nasus purchased 14 tickets for a tennis match, 4 of the tickets were for courtside at a cost $125 each, 4 tickets were for midcourt at a cost of $85 each and 6 tickets that were general seating at a c... please do it. Evaluate the following line integrals where the loops are traced in the counter clockwise sense (i) y dx – r dy c x2+ 2 where C is any simple closed curve not passing through the origin. ... Using the above labels (1-5) and the random number table (Row 15, Column 1) which two departments are selected?______ • A. Chemistry and Geology • B. Physics and Mathematics • C. Biology and Ge... cara menentukan nilai a. jumlah uang yang harus Ani keluarkan... 2. Misalkan diketahui sistem persamaan linear : x + 2y = 4 dan ax + 3y = 7 Tentukan nilai a agar sistem persamaan linear dua variabel t... plz answer asap. The average cost of gas dropped from a high of $2.84 per gallon on June 1, 2015 to a low of $1.66 on February 1, 2016. Complete parts (a) through (c) below. (a) What is the average pe... Benjamin knows that he will be receiving $116,932 to settle an insurance claim, but he will not actually be paid for another 4 months. Needing cash now, he is considering an offer from a finance compa... Please kindly show workings clearly. (1 A rock Sample containing 256 9 of tungsten. 187 decays until it contains only 0 . 25 g of tungsten – 187. If the tungsten has a half-life of one day, how long w... This question relates to real analysis. Please provide all necessary details to solve the problem 2. For each square in Figure 3.33, determine the fraction of the square that is shaded. Explain your reasoning. You may assume that all lengths that appear to be equal really are equal. Do not use an... Classroom 11:19 AM Mon 13 Dec . .1 7 78% van mipentzu-avk . REC Aandc Limes AaB 4. Take the sum and difference of the following 2 vectors 2.2021, 11:19 AM 5. Transform the following matrix to the diag... What is the probability that two people chosen at random were born during the same month of the year? What is the probability that in a group of n people chosen at random, there are at least two born ... Shelly Van Doren hired a contractor to refinish her kitchen. The contractor said the job would take 66 1/2 hours. To date, the contractor has worked the following hours: Please provide Handwritten answer. 23)The number of homeomorphisms from (X, Tinc,3) to (X, Texc.3) (Where X= {1,2,3,4}) is : A) 4 B) 3 C)2 D)O This is all one question together split up into different parts. Exploring exponentials.. MAP4C1 Name: Date. 2. Determine the first and second differences. [2 K] Time, t (days) Pressure, P, (kPa) Firs... Electricity bills: According to a government energy agency, the mean monthly household electricity bill in the United States in 2011 was $110.82 . Assume the amounts are normally distributed with stan... 2 Arbitrage in a two-factor market You are an active trader in stock and bond markets. The market has a factor structure with two factors, f1 and f2, both with zero mean. You have access to four asset... x˙ 1 = x2, x˙ 2 = 2×1 − 3×2 − u + c, y = x1. objective the exponential stabilization of the equilibrium xe = (0, 0). 1. Treat c as a state variable and write the new equations of motion. ... d) By using the pigeonhole principle, explain how any set of 76 positive integers that less than or equal to 100 must contains 4 consecutive integers. (6 Marks) ACTIVITY DIRECTION: PROVE THE FOLLOWING PROPOSITIONS IN OUTLINE FORM AND PARAGRAPH FORM WITH THE USE OF A DIRECT PROOFING. 1. If a is an odd integer, then a 2 + 3a + 5 is odd. 2. If y is a number w... pls help me. Find the greatest common factor and least common multiple of A, B, and C. Write your answers as a product of powers of primes in increasing order. A = 5 . 13 . 19 B = 2 . 38 . 55 . 139 C ... please answer. Indicate where the given set is located on the figure below by clicking the boxes within regions that should be shaded. (Select all that apply.) AC U BC UC A B O O O O O Please answer. Problem 4.3 (4 points) Consider the linear second-order differential equation dr 2nt dr dt + kx = a cos r(0) = TO, dt (0) = vo (2) F(t) that describes the motion of a mass-spring system... You must show work to get full credit! 1. Kerry ate 3 pretzels, 2 apples, la. SHO and 5 grapes. na Write the following ratios: apples to pretzels grapes to apples pretzels to fruit var Show that v(x, y) = x3 – 3xy2 + y is harmonic in C. Find u(x, y) such that f (z) = f(x tiy) = u(x, y) +iv(x, y) is analytic in C. Tylishia says that she can calculate 324 – 197 by adding 3 to both numbers and calculating 327 – 200 instead. H a. Draw a number line (which need not be per- fectly to scale) to help you explain w... Show that the set of operators {+. V, false} is adequate, where false is a fixed contradictory formula (i.e. a constant F function on {T, F}). Can someone help me answer this problem? I need it ASAP. Thank you! Highlighted question. Please use principle of inclusion and exclusion. hair? If 8 standard dice are rolled at once, what is the probability that all 6 numbers appear? How many integers less than (or e... Sam eats about 2200 calories every day. A novel orange has about 80 calories. If he ate 1 orange every day, how long would it take before he ate 2200 calories in oranges? A continuous time plant has transfer function 2 G6 ($ = s(1 + cs) The discrete time representation of the plant is of the form C(z – 21) G6 (Z) = (z – 1)(z -P2) where C, z1 and p2 are to be determined... Detailed explanation please, thank you.. Let b = (0th)-f(0-h) is approximation of f'(0) for f(x) = x5/3. Let the error |4 – f'(0) | is given the 2h table below. Find S theoretically as well as numeric... Individually use the monthly investments compounded annually table to determine the final dollar amount after 25 and 30 years at 8% interest. Use a monthly investment of $300 for this exercise. Determ... Write down the streamfunction for an isotropic line source of strength 2am in a uniform stream of speed U. Take the origin to be at the source and the r-axis in the direction of the flow at large d... Please help with this graph theory problem with detailed explanations, Thank you! Let G be a graph. Show that if G is k colorable and we construct G'from G by adding one edge, then G'is at most k ... MATHEMATICCS: CATEGORICAL SYLLOGISM . No man is perfect Some men are presidents. Ergo, some presidents are not perfect. All matter obeys wave... Objective: The objective of this study was to determine which projects a hospital corporation could add to their portfolio for the next fiscal year while staying within a $950,000 budget. The hospital... Linear Programming: An Algebraic Approach. 1. National Business Machines Corporation manufactures two models of printers: ink and laser. Each ink printer costs 100 euros to make, and each laser printe... Consider the trust-region subproblem of choosing an n-dimensional step s from Ck to xk+1 by minimizing a local quadratic model subject to a constraint on Is|: minimize q(s) = g s + 28THs subject to Is... Let A = {1, 2, 3, 4}. Define R = {(1, 2), (2, 4), (4, 2), (1, 4), (3, 3), (4, 4) }. (a) Represent R in digraph. (b) Is R an equivalence relation? Justify your answer. please provide explanation this is definition 7.1. 2. Propose a limit to the sequence 2n2+5n-2 3-7n2 and using the definition of nEN convergence (Definition 7.1), prove that this is indeed so.. 7.1 De... SESSION DATE – AUGUST 7, 2024 Cheque Purchase Invoice #PFU-4877 Dated August 2/24 From Places For Us, $1 800 plus $234 HST for monthly rent. Invoice total $2 034 paid by cheque #3421. Terms: payable o... Question 6 Find elementary matrices E1 , E2 and E3 so that B = E3 E2 E1 A where Not yet answered -4 -4 -16 Marked out of 3.00 A 3 B = 9 4 19 Flag question 4 2 4 E1 E2 = E3 Previous page MATHEMATICS ACTIVITY 1 Watch this video link and answer the questions below. QUESTIONS: 1. What real-life was shown in the video? 2. How were linear... The average number of fish in a pond has been increasing over the past 10 years. In 1999 the average number of fish was 475, while in 2009 the average number of fish was 496. Assume the rate of inc... . Sky saved Php22,500 when she was 21 years old and put it in a savings account with a 4.2% interest rate compounded quarterly. How old is she now that her account balance is worth Php32,771.02? Ans... it already has the nswer but im looking for procedures... translation for hat it asks on both questions: a)Open interval where the function is increasing or decreasing b)The coordinates of the max... Check my work 11 The Food Co-op Club boasts that it has 4,200 members and a 160% increase in sales. The markup is 32% based on cost. What would be its percent markup if selling price were the base? (R... 6 PLEASE answer. Question 36 (4 points) < Saved Calculate the Reaction Forces (R1 and R2) needed for equilibrium of the following free body diagram: (Clearly show the calculations) 500 N 200 N 3 m ... A tennis pro's workout schedule is to have both morning and afternoon practice for 3 days, rest for 1 day, have only morning practice for 2 days, rest for 2 days, and then start the cycle again. If th... find harmonic conjugates:. Assuming an analytic function of the form f – u + iv, find the harmonic conjugates of the functions (a) u= x2 – y' + 2x ty, (b) u = re cosy – yet siny. Please show steps and be typed, handwritten is too oft confusing and illegible for both questions. 1. Solve for x, y, z, and w. 2. Compute the products. Some of these may be undefined. Ex... Sir i am stuck for this question . For each real number a in (-co, co), solve the following system of linear equations. You must use Gaussian elimination. 1+x2 + ax3 = 0 -x1 + ax2 + x3 = 0 X1 – 2 + 2... Please help with this mathematics proof question.. A prime number is a natural number greater than 1 which is not a product of two smaller natural numbers. Prove or disprove: For every integer q, if q... A string is stretched string with fixed ends x = 0 and x = 1 is initially at rest in its equilibrium position. It is set in motion by giving each of its points velocity kx(1 – x). Find y(x, t) vertica... Find all x so that 132 – 1| – |x – 3|= 2x – 1. Prove that you have all solutions. 2. Prove that V430.is an irrational number 3. Let x1 = V2 and In = V1 + Xn-1. Prove that for all n 2 1, n is an irr... estion: Math Determine the monthly payment for the installment loan. Next question Annual Number of me Amount Percentage Payments per Time in Financed (P) Rate (r) Year (n) Years (t) ts $750 4.5% 12 1... Analyze Ally's performance. Was she correct in her answers and/or her reasoning? How would you describe her grasp of mathematics? Is her teacher the type of teacher you would aspire to be and w... what is the answer of this?. A. Determine which of the given statements is inductive or deductive reasoning: 1. If a quadrilateral has four sides, then a rectangle is a quadrilateral. 2. I find people... Maths. Ly Week 12: Unit 3 Quiz ~ Lyryx Learning Inc – Google Chrome lila1.lyryx.com/quiz-servlets/QuizServlet?ccid=3819 Question 8 [10 points] A car dealership acquires a used vehicle for $7,600. Its ... Page 25 Question 23 (3 points) Solve the system of equations using Cramer's Rule. Show checks. 30Q – 55 – P 14P + 190 = -32 On a movie night two groups of friends get ready to watch a movie, the first group to buy 5 soft drinks and 4 popcorn they spent $ 1,280. While another group spent $ 920 buying 3 soda and 3 popcorn. C... Please provide Handwritten answer. Suppose the magnetic vector potential A and electric scalar potential V at a point in a certain medium (z, u) are given by : V A =A(e a, – Inya,) , and V = = where ... For the function fix) = 4 x 30'2", calculate f(10), f(5), f(—10), and f(2.5). For the function fix) 2 logmfit}, attempt to calculate f (10), f[5). f(—10), and f(2.5), and explain what each of... Given the following defining equation for Legendre polynomials M P (x) = _(-1)m. (2n -2m)! yn-2m . M= n /2 n-even m=0 2" (n-m)!(n-2m)! (n-1)/2 n- odd a. Generate the polynomials for n = 0, 1, 2.... please help with this thx. QUESTION 3 CCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCC 2. A research team ran a pilot study of a mathematics curriculum. They gave 5 consenting pa... 6) (4 points) The rectangle of Xs below is = of another rectangle of Xs. Show the original rectangle and explain how to determine it. Use our definition of a fraction in your explanation. XXX XXX XXX ... Me know if you want to come over and watch the kids to night ???? T Brian Christian: Howt x T Annie Bosler and Don x 10 Mylab Math eText an X Pearson Sign In * + ten Students | Wa X MATH 1030 Week 4 X C content,waldenu.edu/41601b6c15d568e0576f6651939df1 16.html MSN ... B AND C ONLY ANSWER IT AS FAST AS YOU CAN. 30pts. Using Boolean algebra techniques, (a). simplify this expression. AB + A(B + C) + B(B + C) (b.) draw the equivalent logic diagram of the simplified exp... Determine the number of sub-intervals, n, required to approximate the integral 4 1 / d1; 0 {3+4 to within 10—5 using the composite Simpson's rule, and compute the approximation. grade 12 advanced function. T CONSIDER THE PRODUCT, S (x3-x7+2x-2) (x8-276+4x-8x +16). WITHOUT EXPANDING IT IN ITS GIVEN FORM, SHOW THAT IT IS EQUIVALENT TO. *"- X +32x-32 (b) How many outcomes contain a head and a number greater than 4? 1 (c) Probability extension: Assuming the outcomes displayed in the tree diagram are all equally likely, what is the probability that ... 3 14 Q – tel V # Revisit the option choice model d.x dt =9A(T)(1 -I) – 9B(1 – T)I (2) where gr(y) is the per capita rate of switching to option B, gA(y) is the per capita rate of switching to option A... Application and apriciation for mathematics in a watching games For the compuation a – 2.b C , suppose the data (a, b, c) are perturbed to (a + z, b + 8, c + u). Estimate the forward error in terms of a condition number and the backward error \ & + 8 + u . ... 1. Consider f : (1, co) -+ R given by /(3) = 3 + Show that T – A((1, 00)) (13, 00). Let X be the interval [0, 2) C R. The restriction of the usual metric on R to X is a metric on X. (a) Is the set [0, 1) open relative to X? (b) Is the set [1, 2) closed relative to X? (c) Is the se... Let C = {0, 1, 2) and D= (2,4,6,8) and define the relation R from A to B as: For all (X, y) E AxB. (x, y) ER means that is an integer. X a. Is 1R2? Is 288? Is (1,8) C R? Is (2,6) ER? d. Draw the di... Equivalent fractions are fractions that are Use the model below to list 3 fractions that are equivalent to 1/2. Prove the following statements using induction. Each proof needs to be complete, including the basis step and induction step; each step in your proof needs to be justified (except when it follows by ... Help me please with complete solution and clear explanation. Thank you. Use the situation below to answer the questions that follow Rowel is designing a mag wheel like the one shown below. He decid... For what values of p are norms actual norms, and why? Give correct answer with detailed explanation...... 5.1 Use the greedy heuristic to solve the following 0-1 knapsack problem max 18x] + 15×2 + 35×3 + 25×4 + 19xs + 10×6 + 40×7 + 30×8 s.t. 61 + 4.12 + ... \bigcap_{x}^{}\mathbb{N}+\mathbb{\frac{\partial \varepsilon }{\partial x} Ensure to answer all questions Code: void ADC(void) //Lite Demo of the Analog to Digital Converter { volts[0x1]='.'; volts[0x3]=' '; volts[0x4]= 0; ADC_Get(); Acc = (((int)HADC) * 0x100 + (... A) A1 = {(2)k:kEN} and A2 = {(3)k:kEN} then A1 is a subset of A2 and A2 is a subset of N. Am I on the right track here? B) Here we would have 2k and since k and N are not finite than the answer would ... Mini-Case PART A Owners of a new restaurant have found numerous costs associated with starting their business (see table). They financed the total of these costs with end-of-month payments through a l... Show an algebraic verification for one of the solutions from part b. (1 mark) please help. 2- (a) Let {Un} be an iid sequence of uniform rv's with Un ~ Unif(0, 1). Let Wn = min(U1, . .., Un). Compute the the survival function Gw. =1 – Fw. and the density of Wn. Use these to sho... six students, Rachel, Elaine, Angelina, Aron, Tom and Jay enter a classroom at different times in the morning. what is the probability that all 3 girls arrive before the boys. My answer: (3 *... ketasamaan linear. Antera koordinat berikut, yang monakoh memuaskan x < 6,y < x dan 2x 4- 3y 2 12? Which of the following coordinates satisfies x < 6,y < x and 2x + 3y 2 12? 1. A (2,3) C (... Blast'em Stereos purchases a stereo system for $1,900 less two discounts of 40% and 18%. The store uses this product to draw customers to the store and always offers the stereo on sale at 25% off. Whe... (2 a) ! < ((a !) 2 4 a) / 4 , a>=5 mathematical induction, For each of the following cases, either explain why the case cannot occur or give an example to show how it can. a. Two positive numbers whose product is less than both numbers b. Two positive numb... For my combinatorics class, any help is appreciated! This is a question from a practice exam with no solutions. If only able to answer A, that is fine. . Exercise 3) (a) Let g1, 92, and 93 be functio... how to answer this question?. e) Find the equation of the plane that is orthogonal to the plane 3x + 2y -= =4 and goes through the points P(1, 2,4) and O(1,3,2) PHYSICS – DENSITY. What is the density of a box that is 32.0 cm long, has a cross-sectional area of 7.00 cm2, and weighs 75.0g? Answer: mathematics. ACTIVITY 8 Directions: Re and analyze the following statement, Write TRUE if the sis erect Write FALSE if the statement is incorrect and state the reason why the statement Incorrect 1. Al... I have 30 min to solve this ??. Question Completion Status: QUESTION 7 1 points Save A commercial cat food is 210 kcal/cup. A cat weighing 9 lb fed at a rate of 50 kcal/lb/day should be fed how ... Choose one of the following topics: 1. Diagonalization Argument 2. Continuum Hypothesis 3. Power Sets 4. Hilbert's Hotel Problem Research your chosen topic further. After your research, reflect upon... sir kindly solve this question is we earlier as possible. ((#)- 14 #+11-7, Find the values of insuch that and graphically Solve this with a calculator using the augmented and in fraction format. 5) (15 points) Use a calculator to solve. (see Illustrations utv+ 2w+ 3x+y+z= N 5u- v- 2w + 6x+y-z=8 2u + 3v + 2w – 3x – 2y + 2... I already submitted part a,b,c,d,e, but wasn't aware of part "I". So the only one I need now is "I". Thank you. Co To obtain a 11 grade A" a condidate must be in the top 10% of the candidates w... Practice midterm with no solutions – any help/explanation would be really appreciated! . 10. (1 point) Consider the following infeasible LP: max 1 – 242 + 3 s.t. 1 – 0 12 – -1 X 3 x 2 0 which one ... Find the truth table. Relations on statements (Equivalence).. (P – 9) FX (~ P vg) Transform each function into standard form. Then, identify the values of a, b, and c. 31. y = (x-4)2 32. y = (x-1)2 -4 33.. y = (x -6)+4 34. y = (x+2)2 _ 35. y = (x +10)2-7 36. y = 5(x +3)' -1. Writt... write an equation for the line graph. Write an equation for the line graphed below y -6 -5 -4 -3 -2 -1 1 2 3 4 5 6 -1 B -4 -5 From the graph, you can see that (0, -2) and (1, 0) are two points on this... I don't know how to work on it this question and don't understand for frequency how to find. SPM 2019 (FREQUENCY POLYGON) 6 Diagram below is an ogive showing the amount of money, in RM, spent on petro... You turned in lots of extra credit for a class. At the end of the semester you have 526 points out of a total possible 480 points. What is your percentage at the end of the semester? Note: Round off the answer up to 5 decimal places.. 1. Determine the root of the given equation after performing 2 iterations. Use Bairstow's method with r = -1 and s = -1. f (x) = 9.34 – 21.97x + 16.... please help with 5a dont mind if theres only process, need partial credits A company started out spending $554 to get up and running, and then it planned on charging $25 for its product. The amount of profit (which is money brought in minus) is given by the function P (x) =... Sir i am stuck for this question . 6. Find an equation of the plane passing through the point P and perpendicular to the vector ". a. P(1, – 1, 0), # = (1, 3, 5) b. P(1, – 1, 3), # = (- 1, 0, – ... PLEASE PLEASE DO IN PYTHON!!!!. 5. Compound interest. Suppose do dollars are deposited in a bank that pays 5% interest per year, compounded quarterly. After one quarter the value of the account ... Game theory: Consider the following Chicken game given by the two payoff matrices: a. Write down an optimization problem that can be used to find the Nash equilibria. b. Find all Nash equilibria (mixe... I need help solving this ASAP. Now, let's look at how to graph the exponential function } X y = 3x y (x, y) -3 y = 3(-3) = 1 33 27 -2 -1 0 1-2022 A. Solve for x. 1) 1 1-x x2+1 32-15x+10×2 2x+5 4x-5 6) <3 3x+1 3×2-2x-1 4×2+17x-55 2x-5 x+11 2x-5 x-+1 3x+8 x+7 5 2 2) + 7) + x-2 X+3 (x-2)(x2+4x+3) x2+X-6 long . x2+x-6 x2+4x+3 2 x+2 x-+2x+... Find the orthogonal trajectories of the family of parabola described by the equation (y − 3)^2 = cx . Determine also the type of family of curves is orthogonal to the given curve, i.e. Family of Lin... Please help with this problem!. 50 stable unstable 40 30 20 10 50 100 150 200 250 300 b) (10 pts) Now suppose that, over the last five years, the phosphorus concentration has gradually increased from ... 27:12 1/8 QUESTION 7 . 1 POINT In 2000, the profit of Company A was $9,875,000. Each year after 2000, the profits fell by $29,532 on average. Construct a linear model for this scenario and use it to s... Please provide Handwritten answer. Advanced Math If i have a decay function where F(t) = e -t/T 2 but T 2 is determined by a region with one half having T a2 = 40ms and another half having T b2 = 80ms... Assume that the coefficient of variation of the arrival and service processes for each resource pool is 1. You may also assume that the deal completion step is immediately initiated by the senior prof... Problema 8: Demuestra que el momento de inercia con respecto al eje O, del anillo delgado de masa m de la figura es de lo = mR. Resuelto por teorema de ejes lo = –mr2+3mr2 paralelos lo = my2 Problema... Notation 1. Let (X, d) be a metric space, x E X, r > 0, then Br(x) = ly E X : d(y, x) <r}. Notation 2. Let (X, d) be a metric space, A C X, then A is the closure of A. Notation 3. Let X and Y be... Two machines turn out all the products in a factory, with the first machine producing 90% of the product and the second 10%. The first machine produces defective products 1% of the time and the second... No Date (b) Smart Kitchen sells and two different sets of dinner daring this COVID – 19 pandemic. The choice of dinner sets are set A for 3 – 4 persons and Set B is for 5 – 6 persons in a family. Give... it's about polynomial function. 3 IF P (X) IS A POLYNOMIAL WITH X= 1 AS A ROOT, AND P(X)20 FOR KE (- 0, 4] THEN EXPLAIN THE GRAPHICAL SIGNFICANCE sir i am stuck for this question . Find the critical points of the function f(x.y) = (12-x2) e 4ay Here "a" is a positive number, and your answer may depend on "a". Then, use the ... General Mathematics: Give the Correct Answer and Show Complete Solution:. Practice Exercises 2: Complete the table. Final answer must be rounded off to 2 decimal places. Selling Price Cost Gain % Gain... 1) (9 points) Mathematical Model: Using the following value functions, the constraints on water supply and the method of Lagrange, derive the optimal allocation of water to each of the two users of wa... describe step by step. A canteen has to plan the composition of the meals that it provides. A meal can be composed of the types of food indicated in the following table. Costs, in dollars per hg, and ... em denole margin of error in sample side and a standard deviation solve the above equation first for In and then for n If car+ car= 30 and person person = 25 and cat + person = 15 what is cat + person + car = ? Topic: Simple and General Annuity. 1. Chris bought a high-end laptop computer that costs P65,000.00 on installment basis. He paid P20,000.00 down payment. The remaining balance was paid in 36 monthly ... P5.2.5 Suppose LE Rimx" with m 2 n is lower triangular. Show how Householder matrices H1,. .., An can be used to determine a lower triangular L1 6 Rox" so that Hn . . . HIL =]. Hint: The se... Please answer using R code 2) A box of candy has different colors in it. If a candy is drawn, there is a 0.15 probability of getting a blue candy. If 10 candies are drawn from the box, What is the m... Let F(V,E) be a graph and for each v E V, let av be the number of edges 6 E E such that e has an endpoint at v. Further assume no edge e G E has equal initial and terminal points and no two distinct e... Please help with this advanced math question. In this MATH336 assignment problem, determine the optimal solution and optimal value of the following NLP. Justify your reasoning. min -3×1 + 22 s.t. oci+... Please help to solve problem 2. AMS 518 HW3 September 2020 Loss is defined as a function /(x, y) of a decision vector & E X C R" and a random vector y (Y CR". Definition 1 (CDF) We supp... (10 points) For the differential equation * = (20 24) + find the eigenvalues and eigenvectors. Then use these to sketch the vector field for the system. Show solutions. 3. Which of these three solutions is the most concentrated? (worth 1 mark) . Solution A has 15 g of solute dissolved in 1750 ml of solution Solution B has 2530 g of solute dissolved in... please solving my question. Lengkaplan susunan nombor di ruing juwapun chi bawah dengan tepat Compare the sequence in the answer space with the correct anniers Hargu asal kereta inlah RM50 000. Setiap... It's just not cricket, old man! In cricket, it is possible to score one run, four runs, or six runs at a time. Ashley Giles was an English first-class cricketer. He played for his country 116 times, i... For a monthly premium whole life insurance of 10,000 on (x), you are given the following information: (i) Benefits are payable at the end of the year of death. (ii) Initial expenses are 50% of the ann... Consider the linear control system: x˙ 1 = x2, x˙ 2 = 2×1 − 3×2 − u, y = x1. 1. Knowing that only y can be measured, design a stabilizing controller that only uses the measurement y. Relate th... Bagaimana menyelesaikan soal nomer 4 dan 5. Apa jawaban atas soal tersebut? Tolong dijawab According to a recent poll, 58% of registered voters support measure R and 47% support measure S. 39% support both. If a randomly selected voter is surveyed find the probability that that voter A. sup... (a) Write an analytical expression for the membership function μA(x) with supporting interval [-1, 9] and α-cut interval for α = 1 given as [4, 5]. (b) Explain what is meant by *normal membership f... Annabelle set up a lemonade stand to make more so that she could increase her dolls collection. If she collected 342 quarters in 200 minutes, how much did she make in dollars per hour? Pls show a... it is for framework. QUESTION 16 If you fall behind on your reading, you should NOT can you please help me with this. (n) Comment on the performance of Argentina over the 14 tournaments (refer to 1(m)). 2. The ages of the final 23 players selected by coach Oscar Tabarez to play for U... The Coca-Cola Company had sales of $19,999 million in 1999 and $29,511 million in 2007. Use the Midpoint Formula to estimate the sales in 2003. Assume that the sales followed a linear pattern. $24,905... please help . Select the correct iooos to simplify the given function in PBS {prod not of sums} tom]: Note: To select loops that wrap around the edges of the table, you must seiect both sections that... Sir, i am stuck on this question. 3. With {aflnu and (bflnn being two strings of number sci that :11 = 2, b, = 1 and an" = 2:1,l + 3b", and bin." = 1:11. + 3b", n E 1. Find the general... Compounding Interest

Direction: Solve the following problems. (3 items x 10 points) 1. Lindsay borrowed P120,000 in a bank for a year. If she paid P139,290.54 on the maturity date, at what rate of int… please help. Block B slides to the left until member BC is vertical (see below figure). Determine the change in length of distance AC. (10 points) Verify with Inventor or AutoCAD. (5 points). Take a s… grade 9 and triangle inequality theorem topic. . 16-18. Find m4], 11142, and mz3. :5′ C. Do what is asked. 19-20. Mrs. Bartolome has 21 shih tie and wants to build a pen for it. She lumber: o… . Problem 15. (6 points) Remain A singular value decomposition of a matrix A is as follows: -0.5 -0.5 0.5 0.5 10 0 -0.5 0.5 0.5 -0.5 0 5 0.6 0.8 A = 0.5 -0.5 0.5 -0.5 0 O -0.8 0.6 0.5 0.5 0.5 0.5 (a… Dos cargas puntuales, Q 1 = +5 nC y Q 2 = -3 nC, están separadas 35 cm. a) ¿Cuál es la energía potencial del par? b) ¿Cuál es el potencial eléctrico en un punto a la mitad entre las cargas? Please show all work!. Let X be a set and A, B, C C X. Prove the following set equalities: (a) AU(BNC) = (AUB)n (AUC). (b) An (BUC) = (AnB) U (AnC). Use the definition of multiplication and math drawings to determine the answer to the multipli- cation problem. Explain your answer. 9. Write a word problem for 2 = ? Use the definition of multiplicat… Fet (But , ., , 0, 1) be a Boolean algebra 19 Write the dud of the following mood of the edempotent lo x = x 70 = x+ xox = (x4x). (x+2′) = (xx2)- 1 = 2*2 (20 Love Lovename: x.0= 0 20 have absorptio… Linear Programming: An Algebraic Approach (dont use excel for explanation i just need help to create an equation and everything else I will calculate on my own). Canada Pharmaceutical produces three k… Show that p – q and -q – -p are logically equivalent. p – q = -q – -p One of the corners of the solution region will always be the answer to the most profitable solution in these types of problems, even though all points within the shaded region satisfy the constraints … math major. 1. Given f (x) = a. Construct a table of values using the integers from 0 to 10. b. Plot the points in a Cartesian coordinate plane and determine whether the points from a smooth curve or … . (5) For flat) = sin(7r:c) on [0, 1], find the Bernstein polynomials 31,32,33, B4. Simplify answers as much as is reasonable. (To satisfy your curiosity, you are also welcome to plot those functi… PLEASE HELP NEED STEPS TO GET THE ANSWER BELOW, SCROLL DOWN FOR QUESTION ANSWER: • a = partial derivative of the equation in terms of • b = partial in terms of q_in • find corres… Please help with the following, thank you.. Write the first 5 values of: . B(1) = 1 . B(n) = B(n – 1) + n2 for n > 2 Please list them separated by commas as: v, W, X, y, Z. Question 3 8 pts A set M… please solve this question. 3. Prove that the matrix norm | | . | |, , defined by | | A | |, = max | |Ax | |, can be computed using the formula | | A| |, = max lajil . Sir i am stuck for this question only need a and b but please need complete explanation. MATRICES Q2 a) Given the matrices A= 131 21. B= 12 4 91. C- 3 11 Evaluate (i) C2 (ii) (CT) 2 (iii) Is det. C2 =… Beanie babies. All freshmen entering Whatsamatta U. have their heads measured for the beanies they are required to wear. One year the head circumference data had a normal distribution with mean 51 cm … A student monitoring group conducts a survey of a sample of 100 undergraduate students and finds that the mean amount of internet use each week was 35.1 hours with a standard deviation of 8.2 hours. ?… Conduct a least squares linear regression for the Google price with SP500 Index as thepredictor. Report the summary of the fit. 2. Use residuals to check the assumption that the noise terms?… Describe what Imani's data indicate and the resulting instructional decision that Mr.Alexander should make . 6. Eigenvalues and Eigenvectors of the Inertia Matrix The inertia matrix for a rigid body, computed in b1, b2, b3 coordinates, is: 25 -25V3 0 [/] = -25V3 75 0 kg . m2 O 0 100 a. Compute values for… 5293124072_Linear_Relation X 293124083_Linear_Relation X 5293124083_Linear_Relation X 5 293124075_Linear_Relation X 293124071_Linear_Relation X Homework Help – Q&A fro X + C O File | C:/Users/khad… Several calculators are now available that do computations in fractional form as well as in decimal form. Some of these automatically give results in simplest terms. If you have access to such a cal… what the value of a=1 , a=2 and a=3. The third-degree Taylor polynomial of the function f(x) = In(1+x) at x=0 is P3(X) = ao+a1x+a2x2+23×3 Where ao = Vo a1 = X 0 a2 = X 23 = X Question#5 (a) A boundary value problem is defined by y" ty+1 =0 0 O<x1 Where, y (0) = 0 and y (1) =1 (i) With h = 0.5, use the finite difference method to determine the value of y (0.5) (ii) … Examine the graph of y = 0.5(x – 1)(x + 3)2(x – 4)3 below a. What is the degree of this polynomial?____ b. What are the zeros of this polynomial?_____ c. What are the 3 fact… Expand the Laurent's series expansion for f (=) =- z+3 in powers of z in the region 1 szs2. Answer all questions kindly, if you copy from chegg and others I will flag your copied solutions Let X denote the data transfer time (ms) in a grid computing system (the time required for data tran… Internet costs – more summaries. In 2009, a survey of 22 people who had home access to the Internet asked them how much they paid per month for that access, rounded to the nearest dollar. The followin… Please try your best thank you!!. On November 1, 20xx, Broom Company received a bank statement that showed a $2,950 balance. Broom showed a $4,010 checking account balance. The bank did not return che… Consider the matrix [a + b 0 O A = 1 a – b 0 2 3 a where a and b are real parameters. (a) Determine the conditions under which the homogeneous set A . x = 0, where x is a 3-dimensional vector, has no… Please can you show all the steps on how to do the proof, we learned about equivalence relation, I really am struggling have no clue where to start off with the proof. Please can you show steps for th… Please help me to answer this question.. You are given the following present value random variable for an annuity for life (x): 60a. Z = 101 if K, < 10 60a if Kq > 10 Fill in the blanks in the p… reference. Question 13 In this question, you may find the following useful: the volume of a cone with radius r and height h is given by zur2h. h cm r cm Figure 2 Figure 2 shows a cone with radius r cm… Please fully answer the question below: I will Upvote! Here is some helpful information about Cauchy's inequality and its integral form below: . Let f, g : [a, b] – (0, co) be two continuous posi… Select the best answer for the question. 12. An adult weighs 164 lb and is 5'9" tall with a BSA of 1.9 m?. The physician ordered Oncovin 2 mg/m for chemotherapy treatment of a malignant tumor. On… You have taken a loan of $72,000.00 for 30 years at 4.3% compounded quarterly. Fill in the table below: (Round all answers to 2 decimal places.) Payment number Payment amount Principal Amount Interes… Write the contrapositive: For all real numbers x, if x^2 is even then x is even. I need to solve this in 1 hour !! Hope I can get help , Thanks!! QUESTION 9 The disinfectant is mixed in a ratio of 1:3 concentrate to water. If 30 ml of concentrate is used, how many milliliters of w… mathematics. Suatu pabrik mainan anak-anak mempro- duksi mobil model A dan mobil model B. Pada suatu hari, pabrik itu memproduksi x unit model A dan y unit model B. Waktu yang digunakan untuk menghasi… Christian, Nathaniel, Jay, and Crystal were recently elected as the President, Vice President, Secretary, and Treasurer of their class. Determine the position of each. a) Crystal is younge… Determine whether the function is even, odd, or neither. f (z) = 12 x10 o Even o Odd O Neither Show your work and explain how you arrived at your answer. Equation Editor A – A- I BIUS X X d suppos garbled. Show that, if e < d, then Bob will be able to detect that an error has occurred and, if e < d/2, then Bob will be able to determine Alice's intended message. At this point, we … A tank originally contains 360 gal of fresh water. Then water 1 containing – 1b of salt per gal is poured into the tank at a rate of 6 gal/min, and the mixture is allowed to leave at the same rate. Af… Please provide Handwritten answer. Q3) A function is define f (t) is defined by: cost 0< < n f (1) = 3 cos 21 1 <t< 2n cos 31 27 <t (15 Marks] a) Sketch the graph of the function f(t… Cite an example of "banned numbers" you encounter every day and discuss why they are forbidden to be published or used. what is POI in x=10+4y-8z, -4x+6y-32z, 39+4y=bx+2z Hi, I am not sure what to do please help. Convert from base 3 to base 9 21122202.0110022 , = Number 9:444 293124083_Linear_Relations.pdf MFM 2P1 9. What kind of triangle are we allowed to use the Pythagorean Theorem on? [1 mark] 10. If the hypotenuse of a triangle is called j and the two legs are ca… In Problems 19-26, consider the normal distribution with mean 60 and standard deviation 12. Find the area under the normal curve and above the given interval on the horizontal axis. 19. [48, 60] 20. [… Use the simplex method to solve the linear programming problem. Maximize Z – X1 + 2X2 + 4X3 + 6X4 subject to: x1 + 2X2 + 3X3 + X4= 100 3X1 + X2 + 2×3 + XA$ 75 with x1 2 0, X2 2 0, X3 2 0, X4 20 Maximu… Consider the following network of Hawaii Island, which shows the location of various facilities within a youth camp and the distances (in tens of yards) between each facility 6 4 2 13 4 6 3 11 2 3 … You have $170,000 in your account. If it earns 5.8% compounded monthly, for how long can you have end-of-month withdrawals of $1,700? 2. If you want $5,000 8 months from now and money earns 3% comp… . Prove the following statement by contradiction. There exist no integers a and b for which 21a + 30b = 1. Show work for each question. 23. A large hotel chain needs to apportion 25 new surfboards for its visitors to rent among three hotels based on the numbers of rooms in each hotel as shown below. Use th… A ball is thrown vertically upward from the roof of a tall building. The ball leaves your hand at a point even with the roof railing with an upward speed of 15.0 m/s; the ball is then in free fall (ig… Answer question A and B. You deposit $10,000 in an account that pays 4.5% interest compounded quarterly. A. Find the future value after one year. B. Use the future value formula for simple interest to… – 1 hour 0/19 QUESTION 14 . 1 POINT Calculate the finance charge on a credit card with a carry over balance of $760 with an APR of 24.99%. Round to the nearest cent. Provide your answer below: Content… Compute the following. Assume the value of n is restricted so that the expression is defined. (Simplify your answer completely.) (n − 1 n + 1) Given the function f(x, y)= x y′ -7×3-4y, find a. f(4,3) b. f (x, y) c. fy (x, y) d. f (4,3) e. fy (4,3) I need a confirmation for this past question. Given the function f(x, y) = ery on R2, find: (a) (2 points) the equation of the plane tangent to the graph of f at the point (2, 0, 1), (b) (1 point) the… Martha starts saving for her retirement by making monthly deposits into a retirement account whose annual rate is 3.1%. She plans to retire in 28 years with an amount of money that has the same buying… please assist. A cylindrical can has a volume of 25071′ cm3. Use Lagrange muttipliers to determine the dimensions of the can that yield the minimum surface area. The radius of the can with the minimum… Question 2. (4 marks) Solve the problem of time—optimal control to the origin for the system 5&1 = 2302, 5&2 = —2231 +4u, where |u| g 1. Two kids decided to make some money. They pooled their money and bought four boxes of candy bars, with each box costing $16.99. There were 40 bars in each box, and they sold each bar for 80 cents. If … In both Tung's textbook and course notes, the following approximation was used: "If a new node sends out an attachment to an existing node having k degree with probability pk, then from the total m at… La compañía relojera In Time tiene para su producto estrella un costo fijo de producción de $48,000.00, con un costo unitario de producción de $8.00; además, se ha decidido que el producto, una v… If you randomly select a letter from the phrase "Mathletes rule the world," what is the probability that you select a consonant? (Your answer must be in the form of a reduced fraction.) Kira purchases a sofa for $1015.87 (taxes included). The department store offers her a promotion of 0% interest with no payments for one year. If Kira does not pay the amount in full within one year, … For a triple decrement table, you are given: (i) μ x+t (1) = 0.1t (ii) μ x+t (2) = 0.3t (iii) μ x+t (3) = 0.4t Calculate 2 q x (3) . a. Draw an array on graph paper, and use your array to explain why the partial-products method calculates the correct answer to 23 X 27. If graph paper is not available, draw a rectangle to represe… Subject: Discrete Mathematics Note: Do All the Questions correctly and on Page for a thumbsup Questions: Q1: Either draw a graph with the specified properties or explain why no such graph exists… I NEED HELP. Question Suppose p varies directly as q, and q = 9 when p= 15, find p when q=33.. Question A car, traveling at a constant speed, could reach a distance of 160 km in 4 hours. How far could… D Question 3 1 pts Betty makes daily deposits of $6.12 into a savings account. If the account has an annual rate of 1%, how much interest will she earn after 636 days? Round your answer to the nearest… Question The city of New Orleans has a population of 391, 000 and 283 hotels. If the city of San Diego was proportional to New Orleans in hotels to population, how many hotels would San Diego have wit… Which of the following statements regarding big-O and little-o is FALSE? x2=0(2x) O x190= 0(x 100- 1) O 1 =0(120) C 220 = 0(2*) O logx = o(vx) 220 = 0(-4) O X How many of the most important technological catalysts for change, shown in Data 4, were the HRDs required to select when completing the survey? Find the domain of the rational function. f(x)=x−7/x+4 Enter your answer in interval notation. show working. Given the following table of 26 values, find the 5-number summary. Do not round your resul O co po a) Minimum b) Q 1 = C) Q 2 = Sir i am stuck for this question with explanation . Exercises 1. For each of the following matrices, find its eigenvalues and determine which eigenvalues are repeated eigenvalues. Eigenvalues and Di… Mrs. Rosario bought 8 new bath towels. Each tiwel costs $7.00 . the store gave her a discount. Miss Rosario paid 3 / 4 of the regular price for all the towels. What was the total amount of money Miss.… help with. Suppose the mean height in inches of all 9th grade students at one high school is 2 estimated. The population standard deviation is 6 inches. The heights of 7 randomly selected students are… Please show full solutions so I can fully understand them. Thank you Part 1. A rock is tossed from a platform and follows a parabolic path through the air. The height of the rock in meters is giv… 3) (6 points) Explain how you can tell the difference between the two types of subtraction based on how a strip diagram is drawn. Use the expression 27 – 15 to demonstrate the difference. Given U = 10X + 3X 2 — [1/3) X 3 is a utility function rather than the consumption of one item . Use the . _ _ _ dU . . . derivative formula (differentiation: 5 } to calculate the utility of th… I need help solving this problem. thanks in advance. 3. Ryan can swim in water at rest at a rate of 1.00 this, given by 17″. . He heads due North straight across a wide river that is flowing at 0.5… Mohammed earns $76,000 per year at his job as a real estate appraiser, and he is paid every two weeks. His most recent paycheck included the following deductions: FICA $223.62 Federal income tax $263.… Figure 4.27 shows a grocery store display of cases of soft drinks. The display consists of a large box shape with a "staircase" on top. The display is 7 cases wide and 5 cases deep; it i… Part Description What is the moment of F1 about A. point A? (+CCW) (include units with answer) What is the moment of F2 about point A? (+CCW) (include units with answer) The foot segment shown above i… Need Help? Read It 5. [-/1.07 Points] DETAILS LARMPMT1 6.4.017. 0/100 Submissions U Find the two ratios that are equal. (Select all that apply.) 21 12 12 16 03 4 35 25 Use them to write a proportion. … is function continous in the open interval (-3,2). Decide whether or not the function is continuous in the open interval (-3, 2) 5) TRI-STATE OIL The Tri-State Oil Company refines its oil product at 2 sites (s] and s2) and delivers the product over leased pipelines to its final distribution depot, site $10. By contractual agree… A wholesaler lists an item at $118 with a 30% trade discount. What is the amount of the discount given to the retailer? Determining seconds, feet, feet per second, or non of these units. Evaluate 2NC/ P(n+1) for each of the following values. N=30, C=72, P=2898, and n=18 2NC/ P(n+1)=? Round to three decimal places as needed.) Which expression determines the product of the roots? a. c/a b. -c/a c. b/a d. -b/a. 21. What are the values of a,b, and c in the quadratic equation 2e^2 + 3 = -5e, respectively? A. 2,3 and -5 B. … differential equation. What is the general solution of the following ODE * 3 points (x2 + xy – y?) dx+ x2 – 2xy) dy = 0 1 x3 +- xly – xy? = c 5×3 + z x2 y + xy2 = c Option 1 Option 2 1 H 1 2 – x3 x y … Problem 2: A taught string has its ends fixed at x=0 and x=L on the x-axis. If it is given an initial displacement f(x) and initial velocity g(x) at time t=0, find an expression for its subsequent dis… Math 8 Dugopolski 6E FINAL EXAM PARTI – Take Home Name Put MC Answers: here in groups of 5 11 MUST show work or thinking to solve each problem. For Multiple Choice use "E" for none of the ab… ¿De qué manera podríamos recuperar los planteamientos del Malthus en la época actual? ¿Cuál es la importancia de dicha información para el desarrollo del país? 1 —2 1 T For a normalized 2-D data set X = (_1 _1 0) , (a) If X need to be transformed to a new co-ordinate system for capturing maxi- mum variance, what will be percentage of variance captured by e… Find the optimal solution of the Mathematical Linear Programming problem below using two phase method . Write the standard form first and then present your solution. Indicate if there are any special … Find the orthogonal trajectories of the family of parabola described by the equation (x + 2)^2 = cy. Determine also the type of family of curves is orthogonal to the given curve, i.e. Family of Lines. Tutorial Exercise Assume that x has a normal distribution with the specified mean and standard deviation. Find the indicated probability. P(x 2 30); #4 = 27; 0 = 3.3 Step 1 First, to find areas and pr… Derive the conclusion of the following proofs. 1. P v (Q • R) / P ⊃ S / R ⊃ T // S v T 2. [T • (U v V)] ⊃ W / W ⊃~X / Y • X // ~(T • U) • ~(T • V) 3. ~X • (Y v Z) / ~Y v ~~X / (… Sir i am stuck for this question . Question no1: For which a E R has the system of equations -1 1 -3 T = 3 -1 2 a2 – 19 a +2 (i) No solution, (ii) exactly one solution, (iii) infinitely many solut… Find the optimal solution of the Mathematical LP Problem below using the Big M Method . Write the standard form first and then present your solution. Indicate if there are any special cases. Minimi… 5.ID: 31 1035807 A client is receiving Heparin Sodium 25,000 Units in 5% Dextrose Injection 500 ml IV at 1,000 unit/hour per protocol for acute coronary syndrome (ACS). The client's partial thrombopla… Si Vilma ay isang masinop na bata .Noong nakaraang buwan ay nakaipon siya ng halagang Php 70.00 at halagang Php 20.00naman Nung sumunod na buwan . Magkano lahat Ang naipon pera ni Vilma sa loob ng dal… For my combinatorics class – please include explanation! . 6. (4 points) Consider the following LP: max (1, 1, 0, -1, 2)x s.t. 1 -1 1 1 2 1 010 C = 2 1 x 20. Consider the basis B = { 1, 4}. (a) Deter… Let x be a random variable that represents the average daily temperature (in degrees Fahrenheit) in July in a town in Colorado. The x distribution has a mean / of approximately 75OF and standard devia… It is also possible to explain division algorithms using a measurement interpretation of division. One division algorithm that lends itself to this interpretation is the partial quotients division … Let x = red blood cell (RBC) count in millions per cubic millimeter of whole blood. For healthy females, x has an approximately normal distribution with mean / = 3.2 and standard deviation o = 0.7. Th… . (3) [wish 5.2.4] Find nth Taylor polynomial for the exponential function f (:r) = e'" at :1: = 0, and the corresponding remainder term. Suppose you purchase a home for RM350,000. After making a down payment of RM50,000, you borrow the balance through a mortgage loan at 8 percent for 20 years. What is the annual payment required by the… Finding Main Ideas and Details L Write 4 Short Response Reread paragraphs 6, 7, and 8. What is the author's main idea in these paragraphs? Use key details from these paragraphs to support your answer. Consider statementsp and q. p: It is Monday. q: There are students in the gym. For parts (a) and (b), fill in the symbolic form. For part (c), choose the descriptive form. Descriptive form Symbolic f… Advanced Math Using the Arithmetic Geometric Curve Method formula: Yc = (Yi+1)/(1+r), solve for the projected demand for the nest 5 years. Carefully write a detailed solution. Given: YEAR: DEMAND 2000… 1) Let ? be a relation on the set {1, 2, 3, 4} such that ? = {(1, 1), (1, 3), (2, 2), (2, 3), (3, 2), (3, 4)}. Represent ? using a matrix and a directed graph. 2) For each of the following re… For the function /(x) = -0.1x* – 0.15×3- 0.5x – 0.25x + 1.2, use x=0.5 and step size h=0.25. Use four decimal places in calculations. Determine the first derivative using four point central and the tr… Explain How you can tell the difference between the two types of subtraction based on how a strip diagram is drawn Help. sing POSES (Continued) Mathematics 4. Lori and Mike Boyd have a combined Electricity $ 2,960.00 monthly gross income of $13,395.00. Their Water 1,194.50 records show that last year they paid Bu… 07:56 N .Ill 94% Tugas 1b (...6,7,8).pdf – Read-only O K 71 . . . This account does not allow e… V Problem The supply function and the demand function of a good are given, respectively, by 0 P=Q+8 … hey please help me. Determine the Mean Value of the function given by v= 50 + 14sin (EN j over the interval [0, 12] hello i really need help on these sums please. The diagrams are made by drawing lines of length I cm Diagram 1 Diagram 2 Diagram 3 (a) The are… □□□ □□□□□ 32 □□□□ □□ □□ □□□□□□ □□ □□□ □□□□□□ □□□□ □□□□□ □□ □□□□□□□□ □□□□, □□ 14 □?… Green Bank charges a monthly fee of $3 for a checking account and $.10 per check. Savings-R-Us bank charges a $4.50 monthly fee and $.05 per check. How many checks need to be used for the monthly cost… business mathematics. Question 22 (1 point) Arithmetic averages are used, when: Values are not equally important O Values are clubbed into different groups C Values ranges from smaller to bigger please help me. Expressing Fractions to Lowest Terms Find the LCD of the rational expressions. (Show your solutions) (5 points each) 1. 6 / a, 9/b 2. x / 15a, y / 5b 3 5x 8 2 X -9 4x-12 4 3x 2x x +4 5… Perform 3.42-12.5 on 10-bit float: Convert to 10-bit float. Enter the answer as a 10-digit binary string with no space 3.42 = -12 5 = Standardize and subtract. Renormalize if necessary. Be sure to kee… Please help it is for an exam. QUESTION 2 12 cm 11 cm 9 cm The diagram above, not drawn to scale, shows three triangles, ABD, ABC and BCD. Triangles ABC and BCD are right angled triangles. AC = 9cm, A… Prove that for all integers x, if there exists an integer k such that x = 3k + 1 or x = 3k + 2, then 3| (2 – 1). Prove or disprove each of the following statements. (a) ∀?∈ℝ,∃?∈ℤ such that ?≥?+110∀x∈R,∃y∈Z such that y≥x+110. (b) ∀?∈ℤ,∃?∈ℕ such that ?… + C Amy gets paid $2 for every page she types. Which graph shows this linear pattern? Chapter 2 (Section 2.1 and 2.2) 4. Let f(x) = |x – 1| + x 2| + 2 3 . (a) Write f(x) as a case-defined function. (b) Sketch the graph of f (x). (Suggestion: You may try to use the GeoGebra applet Grap… Bb Chapter 1. Limits – 2021 Fall Ane WeBy ffectiveUser#24056521 C A webwork.qcocuny.edu/web AOL Mail My Best Buys Cred. i Apps . IBM @ Citrix & Click to Call & Dont Remote Logged in as 2405 WE… 1.)Examine the graph made from the data and determine if there are relationships between the variables of foot lenght and leg height Foot Length (cm) Leg Length cm) Jake Bramlish 26 105 Julia Ben… Question 6 of 10 The value of a 7 year lease that requires payments of $750 made at the beginning of every quarter is $18,200. What is the nominal interest rate compounded quarterly? % Round to two de… (a) Find a general solution to the following differential equation. y" + 3y′ + 2y = sin(e]) (b) Determine the interval of validity for the following initial value problem. y'(x) = y'(x) , y(0) =y… There are 3 balls in an urn with the numbers 1,2,3 written on them. One draws two balls without remplacement. Let X, Y be the numbers written respectively. On the first and on the second drawn balls. … i need to know two ways sarah could have made the image using a single transformation. 2 Sarah uses a digital art program to draw figure Y and its y image Y′. What are two ways Sarah could have made t… Given a hypothesis class H, the VC dimension, V C(H) is defined to be the size of the largest set that is shattered by H. If H can shatter arbitrarily large sets, then we say that V C(H) = co. 4.1 … Modified Harmonics A taut string is tied down at both ends. Assume that the fundamental mode of oscillation of the string has a period T0. For each of the changes described below give the factor by wh… how do i find the answer to these two questions? I know that "distance = speed x time" but that did not give me the correct answer.. 7. Roger travels at 50 km/hr for 45 minutes and then travels at 85 … Explain in details your answer. . Consider the vote count of another election shown below. Candidate | 190 votes Candidate J 580 votes Candidate K 125 votes Candidate L 950 votes Candidate M 350 vote… If you are dealt 5 cards out of a stande deck of 52 cards, how many possibilities for the 5 dealt cards have no aces? Please help with this problem!. "Content creators" are torn between endorsing Twitch versus endorsing YouTube. Therefore, we set up a differential equation model to see which company wins mo… Topic: Topology (homeomorphic) Think of: 1. two pairs of things that are topologically equivalent 2. three pairs of words (3-, 4-, 5-letter words) that are topologically equivalent Homework i Saved Aunt Sally's "New Orleans Most Famous Pralines" sells pralines costing $109 each to make. If Aunt Sally's wants a 35% markup based on selling price and produces 30 pralines … (10 marks) An insurance policy covers insureds with two levels of risks – de- noted by Level 1 and Level 2. Each insured will have at most one claim. The probability to make a claim and the severit… Hi i need help with Attachment #5 Q 2b highlighted in green. I really appreciate any help. I will be sure to leave a good rating! The question is (find the measures o variability (range,IQR, … Please provide Handwritten answer. Advanced Math Given the function: f (x) = -L < <0 L, 0<x<L a) Graph the function. b) Determine its fundamental period. c) Obtain the expression for the F… This is the answer to part (a) I just need help with part (b) the LP method which is highlighted in bold. A team at Bradley Park Hospital is involved in a process improvement project involving six m… Please show work.. Activity Optimistic Most likely Pessimistic Predecessor Time(days) Timle (days) Time (days) A 20 25 35 – B 3 5 7 A C 8 9 15 B D 16 17 18 A E 7 10 13 D F 2 2 4 C, E G 4 5 6 B a) Plea… Do not have to answer all the parts but any help would be greatly appreciated. I am struggling with these practice questions . (45 pts.) ODE solving. The following differential equation descri… In the following model, X′ = aX + cX3 – d, which term or terms represent rates of interactions? aX, cx3, d O cx 3 O ax O aX, cx3 Yar: Es la cantidad a invertir en cada periodo posterior a la inicial Dado el problema anterior 1. Formulen una restriction para qu… could you help me with this problem A is the circle where | z | = 1 and B is the circle where | z − 1 | = 1 . Now let C = e π i / 3 = 2 1 + i 3 be the intersection point in … As climates changes however, the environment which is measured by 8 is no longer constant. We often model global warming as a linear change in 9 over time, 9(t) 2 at where c is the rate of climate … It's Numerical Analysis. Please and thank you. . 7) Consider the matrix 7 —4- A =( ) —-5 3 a) Is there a 2×1 vector x such that IIAxII 2 8||x||? If yes, find one; otherwise explain why one does … What's More Exercise A. Illustrate systems of linear equations given the following characteristics. 1.) coinciding lines 2.) intersecting at one point 3.) no solution 4.) same slope and same x – and y… A truck moving at 90 km/h stops in 0.4 minute. Calculate the distance it travels. If the rate of transmission of an additional case of covid-19 is 0.3 per day starting February 15, 2020 with three cases, that is f(x) = log1.3 (x) + 3 , after how many days it will become 109 Million… The additional amount you need to cover your 5-year budget costs (P) en hours 52 mins Leigh borrows $35 000 to complete home renovations. Compound interest will be charged at the rate of 4.6% per annum, compounding monthly. If Leigh makes monthly payments of $1529.24, … please help i am not sure what to do . Solve the following system using Cramer's rule. 3 x1 + 5 12 = 4 -I1 – 2 15 = = Number DO = Number Please write all the steps clearly. Thank You. . (3) Evaluate the following integral So dx cos rda (2+16) 2 . (4) Find the surface integral of F = ix sin y + 3×2 + kz cosy over a sphere of radius cent… A ramp is constructed in two sections with the same slope.the first section has a rise of 12 feet and a run of 67 feet. The second section has a run of 98 feet, what is the rise? Help needed with problem set. A sample of size n = 10 is drawn from a population. The data is shown below. 61.6 44.6 65.2 58.3 54 68.6 88.9 88.9 73.7 88.9 What is the range of this data set? range = W… To watch the CvC match at The Park, Labasa fans and Ba fans hired vans and buses. The Labasa fans hired and filled 10 vans and 2 buses with 420 people. The Ba fans hired and filled 8 vans and 1 bus wi… Specify the number of terms and factors in each expression, then list them. 8cf 21. Terms: 22. Factors: A2 Chi2 & sec. 3.1 F20 Mathi 121 x G C G 6 webassignnet/web/Student/Assignment-Responses/submit?dep-275642148tags=autosave#question4570683_10 12. [0/2 Points] DETAILS PREVIOUS ANSWERS BBUNDERSTAT1… In a very large city, network TV has 40% of the viewing audience on Friday nights, a local channel has 20%, CABLE TV has 30%, and 10% are viewing video cassettes. What is the probability that among se… Please help with the solutions to this problem.. Note that historical accounts vary on the total number of antiaircraft searchlights used — either 130 searchlights ("Scenario 1") or 150 sea… QMS110-Applied Mathematics for Business Daniel Abiodun E Homework: 2-B… Question 6, *Review Exe… HW Score: 17.81%, 3.56 of 20 points < Save Part 1 of 3 O Points: 0 of 1 D, E, and F own a busine… 9 of 13 Q + T A v v 215 3. DO NOT WRITE IN THIS AREA P(2m) O(5m) 2h h Figure 1 A ball P of mass 2m is attached to one end of a string. The other end of the string is attached to a ball O of mass 5m. T… How many coats need to me sold for profit budget?. Question 12 (2 points) Listen Tumble Company sells coats for $160.00 each. The variable costs per coat are $79.25 and the fixed costs per month a… i sabe que la media de los estudiantes de campus en línea para Tecmilenio es de 598 alumnos, con una desviación de 23 alumnos. Si sabe que siguen una distribución normal, ¿cuál sería la probabil… A projectile that is fired vertically into the air with an initial velocity of 16 meters per second can be modelled by the equation h=15t-t². In the equation, h is the height in meters of the project… Find the length of the indicated side. a) b) Q 409 5 km 38 mm 8 km P 709 P 55 mm R R 2. Find the measure of the indicated angle. B 4.1 km 6.5 km A 6 km C Diagnostic s in Statistics questions will be shown to you again at the end of this test. You have held 13 questions so far. The table below shows all possible outcomes when three cubes are chosen from… I need some help. I went to the store and saw three red shirts for $10.65, four blue shirts for $22.95 and six green shirts for $20.52. If I want to buy the cheapest shirt, which should I pick? Please help with Problem 2,3,4 Thank you!. (40 points) Suppose a variable X that describes the return (gain) of an asset can take the values -0.5, 0.1, or 0.5 . The probabilities associated with each … (20 marks) (adapted from 7.16 in Holmes, 2009) Consider a straight, Visco—elastic (general lin. model) bar of length infinity with one (left) end, i.e. the material coordinate satisfies 0 S A &… Suppose that, for f: R? > R2, f([;]) =], f(19]) = [3], and f ([:]) = (a) (4 points) Could f be linear? Justify your answer. (b) (4 points) Change just one of the output vectors of f so that you… nagbibigay paliwanag ng iba't-ibang mga konsepto teorya frameworks at pamamaraan ang ginamit Sir i am stuck for this question . 1. Determine the real parameters a and b so that the function f: R – R can be derivative on R, where the function is defined through f (x) = (2 – a)x2 -b, x52 (2ax3… Find the domain and range of the given function g(u)=13-u^2 4 pts Union Healthcare System Balance Sheet 12/31/17 ASSETS Current Assets 2017 Cash 2016 Accounts Receivable $ 85,000 $ 300,000 75,000 Less Allowance for Uncollectable Accounts $ 150,000 Inventory $ … Task 4: Naive Gaussian Elimination solver (10 pts) Implement as a Python function named GaussElimationSolver.py, the naive Gaussian elimination solver for square matrices and no pivoting found in the … Payment of Invoice Scenarios 1, 2 and 3 values with explaination. 3. Pay this invoice in the foreign currency under 3 different scenarios. Show your work. For each scenario, explain the impact upon yo… The dumpster D of the truck has a mass of 2100 kg and its center of gravity is at G. The dumpster is supported by a pin at A and a pin-connected hydraulic cylinder BC. Determine:. Description The magn… Define what is logic? 2. What is Theorem 3. Example of theorem formulated by Pythagoras 4. What is a proof? 5. What is a Proposition? 6. What is Negation? 7. What is Conjunction? 8. W… Date Page contract for 200 teaching days per year. 81. of annual salary on the first day of ss 1-1 of annual salary for each of 20 two well pa 21. of annual salary of end of the best pay perio annual … This question: 1 point(s) possible A woman deposits $280 of her quarterly check into an annuity for the education of her child. She does this at the beginning of each quarter for 4 years into an accou… 2.(f) please. 2. Assume an unlabelled dataset, {x) ER")" "Ti-1: with sample mean, * = 15 " Linx!", and an orthonormal basis set {uil em)" Ijen where d < m. We have inv… WCS Classlink Dashboard Tennessee 4 Me – Fr. Freckle Student Da. Air Jordan 1 Retro'- Follett – The Lemon.. Classes @ Epic | Ine L O FRACTIONS Multi-step word problem involving fractions and multiplic… Ihatag ang kolor ug kantidad sa simbolo sa sumunod nga kwarta. I had asked the above question a few hours ago and someone had answered it as follows: But there's no explanation to the steps after the line "choosing most positive".. please explain the steps from t… Printing A bound book weighs 1g b. How many pounds will 20 carton of 12 books each weigh? A particle moves in a straight line and has acceleration given by a(t)=6t^2 + 1 . Its initial velocity is 4m/sec and its initial displacement is by S(0)=5 cm . Find its position function S(t). Please provide Handwritten answer. Express line element ds'2 = c2(dt')2 – (dx')2in terms of the differentials dt, dx in the in which case 0 = wt,w = constant. Concluding that, ds'2 1 – (22 + y2) 2 cad… help me answer this, do use the long method a. Eliminate the arbitrary constants in the equation: y = 3x + Ge* + ce-x Semistable equilibrium points are rare. Here, we will see why. a) X′ = X^2 has an equilibrium point at X = 0. Determine the stability of this equilibrium point. b) Use graphical methods to fin… Group Five 1. Explain why the concept of elasticity of demand should be of interest to those in business who have to make choices about the price at which to sell their products. 2. Explain why it is … In Part A, you are asked to write a brief summary on the topic of Matrix Calculus after you have accessed and read the following references: Matrix Calculus: The Mathematics of 'Learning' , https://… Help needed with these problems. Find the first and third quartile for the data shown For the data shown, answer the questions. Round to 2 decimal places. X 1.5 X 1.9 27.8 3.7 8.6 6.8 29.4 2 12.1 … Use the sinking fund formula shown to the right to determine the semiannual payments with 7% interest are compounded semiannually for 6 years to accumulate $68,000. A p = nt -1 The semiannual invested… Find the smallest integer value of c such that y = 2×2 – 4x – c has at least one real root. Please provide Handwritten answer. Solve the PBV du du a -u O<><a7, t>0, a>0 012 a at u(0, t) = 0, u(an) = 0, t> 0 du at =0, 0 <>< a7 1 Standard automobile license plates in a country display 1 numbers, followed by 3 letters, followed by 3 numbers. How many different standard plates are possible in this system? (Assume repetitions o… A current poll has Candidate A leading Candidate B by 46% to 42% with a margin of error of 3.5%. Confidence intervals are created by adding and subtracting the margin of error to the point estimate … Calibri + BIUAN + E !! 2 1 1 16 1 1 1 5) (5 points) In 2009, Bob makes a certain salary. In 2010, Bob gets a raise so that his salary increases 8.5%. Then, in 2011, the company goes through some diffi… Would like to see how work is done.. 4. If P(A) = .7, P(B) = .45 and P(A and B) = .2, (A) P(A or B) = _. 95 (B) P(not A) = – 3 (C) P(not B) = _.55 (D) P(A and not B)= .5 (E) P(A and B)′ = P(not(A and … plz help asap. this is in discrete mathematics. plz make sure your writings are clean and understandable. thank you . 1. Let G be an undirected looped graph with a loop at every vertex. Show that … . 0 Question 14 v < > E 0/5 pts '0 65535 8 99 O Details a:(t) = —4 — 2.1 Find a plane containing the line y(t) = 5 — 7t and orthogonal to the plane —a: — 6y + 42 = 4 2(t) = —4 + 41… (10 marks) Consider rotation around the z-axis, X = Q(t) A where Q is the rotation matrix cos(wt) – sin(wt) 0 Q (t) = sin(wt) cos(wt) 0 0 Determine the kinematic variables in material coordinates … simplify using the laws of set theory. P'UQ')n (PnQ Please help with this applied math question. In this MATH336 assignment problem, consider the LP (P) max -x1 + 3×2 s.t. -x1 + 2×2 8 61 – 12 VIAIA 18 T1, T2 0 Add slack variables X3, 24 to convert the … Question two Consider a model of the sealed-bid auction. Assume that we have n players (n>1). Let vi be the value player i attached to the auctioned item. Each player i submits a sealed bid bi. Ass… The value of ABC cellphone is decreasing by 5% per year. If the cellphone is worth of Php 78,000 today, what will it worth in five years? Find the optimal solution of the Mathematical LP problem below

drugs be accepted in sports? english 111 ut 10 College Mathematics. Find the area and perimeter of the shaded figure below. 1 unit 1 unit hello Ive Got a math question for you? An archer shoots an arrow at a 75 m distant target; the bull's-eye of the target is at same height as the release height of the arrow. If d = 75 m and v = 37 m/s... same graph. The two should be indistinguishable. 5. The Chebyshev interpolation points in (8.15) are defined for the interval [-1, 1]. Suppose we wish to approximate a function on an interval [a, b], ... Let fo, fi, ... be a sequence defined by the following initial values and linear recurrence relation: fo = 1 f1 = 4 f2 = 2 fr > 0, ft+3 = 2ft+2 + 3ft+1 - ft Give the companion matrix of th... refer to image for question. 7. (-/2 Points] DETAILS HARMATHAP12 5.3.015. MY NOTES PRACTICE ANOTHER Th demand function for a certain commodity is given by p = 100e-9/2. (a) Is the price... Sylvia solves w k y for 48 + 6. Show how Sylvia breaks apart and bonds her numbers to complete the ten. Then, solve. TUGAS TUTORIAL KE-3 MATA4213 Metode Numerik Kerjakan soal berikut secara mandiri! No Soal Skor 1. Tentukan persamaan regresi linier menggunakan metode regresi linier multivariat data berikut. Q6. Problem 6. (15 points) 0 0 0 1 0 0 0 0 0 0 5 0 0 0 0 The reduced row echelon form of the matrix A = OOHO 0 0 0 0 0 0 0 0 0 0 0 0 0 Find a basis for the row space of A, a basis for the column space... Simplify x(y' + 1) using Boolean algebra identities. Consider the following relational schema for a veterinary hospital database with a set of patients and a set of veterinary doctors... See, plan, do, look back. Learning Task 2. Solve the following problems. 1. To replace the trees destroyed by typhoon Yolanda, the forestry department of Tagaytay has developed a ten-year plan. During... A city's population is 421,906. Round 421,906 to the nearest hundred thousand and to the nearest thousand. 500,000 and 421,000 400,000 and 422,000 400,000 and 421,000 500,000 and 422,000 (10 marks) Let K : R x R – R be defined by K(x, u) = cos(x – u). Is K a positive kernel? Please prove your conclusion. For your reference, pit + eric COST = for all a E C. 2 at least how many integers must you pick in order to be sure that at least four of them are equal modulo 5? Hint: How many equivalent classes of integers modulo 5 An equation used to describe real life relationship between two quantities I have a problem...can you help solved this equation?. QUESTION 1. The first stage transformation for three linear equations 4a-3b+c= -10, 2a+b+3c=0, -a+2b-5c=17 is -3 1 -107 0 5/2 5/2 = 5 0 5/4 -19/4... Use the numerals representing cardinalities in the Venn diagram to give the cardinality of each set specified. Find n ((A c ∩B c)∩ C answer choices a. 19 b. 1 c. None of the abov... Standard 1 – Functions a) Consider the function f(x) = 3x – 10 where 5 ≤ x ≤ 50. i) Find f(10) and f(-2) ii) Find x if f(x)=17. iii) Find the range of f(x) b) Find the domain of the function f(x) = -x +... QUESTION #1: The approximate rate of change in the number (in billions) of monthly text messages is given by f'(t) : 7.50t— 16.8 where t represents the number of years since 2000. In 2005 (t = 5) t... . I. Consider the plane D region in the first quadrant, bounded by the curves y = e" + 1, y = e" and x = 0 (see picture). y = ell use materials to any web e + 1 You do not have permission ... The postman printed out a map of smeerensburg to map out his route for delivery. On the map scale, 2 inches represents 60 miles. which graph best shows the relationship between x, the number of inches... Can you please help me with the figure shown in the attached screenshot?. Given A B A B A 0.3 0.7 P = and the initial-state matrix So = 0.5 0.5 0.1 0.9 find S, for the given initial-state matrix So an... Solve the following word problem by substitution only. At a restaurant the east for a breakfast taoo and a small glass of milk is $2.1u. The cost for 2 teens and 3 small glasses of milk is $5.15. W... A certain scientist found herself in a lab surrounded by a green substance that she called "Green Goo." She experimented with it by playing music for it. There was 1600 ounces (100 pounds) of goo at t... TOPICS: SEQUENCES & SERIES/ INTRODUCTION TO BASIC RESEARCH SUBJECTS: MATHEMATICS /SCIENCE ENRICHMENT Look for figures to compare and link it to a theorem, type, or property of sequence and ser... please solve question 11. 5-13 DEFLECTION OF THE STRING Find u (x, t) for the string of length L = 1 and c = 1 when the initial velocity is zero and the initial deflection with small k (say, 0.01) ... A set of decision trees indicating how Democrats and Republicans would evaluate each of your redistricting options using optimistic, conservative, and minimax regret. Their decisions may not be exac... 18) (4 points each) Negate the following statements: 3.) I'll be back. b) I am serious and don't call me Shirley. c) If you build it, he will come. d) Nobody puts Baby in a corner. . Let a ∈ R. (i) Prove that [a, a] = {a}. (ii) Prove that [a, a) = ∅. Solve the following problems. 1. A man borrowed P45,000 from a lending institution at 8.5% simple interest. Find the interest and amount if the obligation is to be settled in: a. 1- years 2 b. 30 m... Sir i am stuck for this question . 3. Study:r the nature of the series using the comparison criteria: 4. Stuck;r the nature of the series using the ratio criteria Thank you!. 22:35 7 LTE . webassign.net 8. [0/2 Points] DETAILS PREVIOUS ANSWERS HARMATHAP12 3.3.017. MY NOTES ASK YOUR TEACHER PRACTICE ANOTHER A system of linear equations and a reduced matrix for t... Application 1. A graphic arts company creates posters with areas that are given by the equation A = 2×2 + 11x + 12 a) Write expressions for possible dimensions of the posters.[2 marks] b) Write expres... Q9) The cost of the Good Son Stroller to the retailer is $245. If the retailer wants a rate of mark up on selling price of 30%, determine the amount of the mark up and the selling price. Can you please help with this problem. The scatter plot shows the relationship between the time spent to complete the first project and the number of projects attempted in a week. 25 20 15 Number o... . In the aeronautical market, Boing and Airbus constitute a duopoly in the production of large airplanes. The American firm has the following cost structure 61%} 2 20 + 31:33 + qAZa, and the Europea... Please provide Handwritten answer. To perform perspective-correct interpolation of the pre-divided-by-w red channel r, we should: A. linearly interpolate r using DDA B. linearly interpolate – using DD... A milk man had 20 litter of pure milk he removed Correlation See textbook examples: Problem 1 : A student researcher was interested in whether the number of... Use R. Project : Consider the hat matching problem discussed in class. Use any programming environment of your choice to write a script that simulates the hat-to-person matching process. Use the scrip... Brenda's sales were $96 less than four times Yves's sales. If together their sales amounted to $1229, determine both Brenda's and Yves's sales. ..... Brenda's sales were s Yves's sale were s Determine which ordered pairs are solutions of the given equation: y = 4x – 3 a. (0, 3) b. (1, ... Math 131 – Final Exam Fall 2021 Name: 5. (4 points) How many times more intense is a 6.0-magnitude earthquake than a 3.0-magnitude earthquake? a. 2 b. 3 c. 100 d. 1000 6. (4 points) Actinium-225 has a... 10) Red aerial miniflares are used by some boaters in an emergency. If a flare is fired from the height of 2 metres and reaches the maximum height of 83 metres in 3 seconds: (4 marks) a) Determine an ... Using Lehmann-Scheffe Theorem, find the UMVUE given the probability density function below:. Consider a random sample X1, X2, ..., Xn from the Gamma distribution with probability density function: f (... A student is drawing a diagram on an Etch-A-Sketch™, as shown below. The stylus is at point A, but the student wants to add more detail at point B. To prevent ruining his diagram, he can only move t... Question Solve the following proportion. Write your answer in standard form. 8.5 x 106 3 x 107 1.2 x 103 Real Analysis T 1. (12 points) Let (f,)., be a sequence of bounded real-valued functions. (a) If In = f on X, prove that f is bounded on X. (b) If fn -> f on X and f is bounded on X, must , = f? Ju... Assume that you have 50 pennies and three jars, labelled A, B, and C. In how many ways can you put the pennies in the jars, assuming that the pennies are distinguishable MINUTAP Assignment 1 2 . Individual and market demand Suppose that Jake and Latasha are the only consumers of scented candles in a particular market. The following table shows t schedules: Price Jake'... Please provide Handwritten answer. Advanced Math Q1: Solve this equations by Bessel function? a : Jo(P) = cos(p cos 0) de, p -+ 00 0 3 b : I(x) = t cos(x) (=12 – t) dt c : I(p) = cos(p) (4t – th) dt... Thank you!. .\ Miami's Adult Cor Inbox (17,213) – cindy in Linked in: Log In or Sig X Search | myLU X Lu Dashboard X _ Module 14: WebAss Iwebassign.net Assignment-Responses/ lest/dep= 27416923 Solve e... Every two weeks, Betty makes a $223 payment toward a car loan whose annual rate is 4.2%. If she will be debt-free in 4-years, how much interest will she nay on this loon? How do I put these functions into Mathematica to solve? . a. Graph the functions f(x) – 1/x1 and g(x) = 1/209 in the viewing rectangles [0, 10] by [0, 1] and [0, 100] by [0, 1]. b. Find the areas und... please be fast. Kanaan Global School Jakarta "CARING FOR YOUR GROWTH" 27. On Monday, a baker baked a total of 150 cakes and pies. On Tuesday, he baked another 50 cakes. He sold – of his pies... Determine the constants a, b, c, and d such that the quadrature formula f(x) da ~ af (-1) + bf(1) + cf(-1) + df'(1) is exact for polynomials of degree less than or equal to 3. Determine the largest va... Let fa(T) = with a E R. ax2 – 2ax + 1 (a) Find all the values of a for which the function fa ( ) has a vertical asymptote at c = 1. (b) Find all the values of a for which the function fa (a) has a hor... A cake is cut into 20 equal pieces. If the whole cake is eaten, which of these fractions represents the amount eaten? A 10 B N- 8 8 – Question Alaska has 49 Starbucks for a population of 741, 204. Arizona has a population of 7.027 million. If Arizona was proportional to Alaska in number of Starbucks to population, how many Starbucks... step by step please. Write an expression that represents the perimeter of triangle. Combine like terms. Perimeter of triangle: If the perimeter of the triangle is 90, what is the value of r ? 4 4 8 9 10 11 12 Maximize -4 x+5 y for the bounded feasible region displayed above. Write a 1-2 pages (double space) report about the project: 1. The various stages of the project and how the final product was able to come together. What was easy/difficult? What did you like/di... Please help! . (a) Prove the following proposition: Proposition 1. Let max { cx : Ax = b, x 2 0 } be an LP in SEF. If there exists a vector y such that yTA > OT and yb < 0, then the LP is infea... help me, please. 3). Prove that if both y and z are solutions to o – lx – f, then y – z is a solution to x' = Ax. need help please, thanks.. 33. In a de circuit with a constant voltage drop Find the percent that the voltage drop across the across a resistor R. the current through the resistance changes: resistor ... [-/1 Points] DETAILS BBUNDERSTAT12 3.1.026.MI. In your biology class, your final grade is based on several things: a lab score, scores on two major tests, and your score on the final exam. There ar... Question A car was bought in February 1, 2015 for $25,000, and its value depreciates by 1.5% every single month. The value of the car m months since February 1, 2015 is given by the formula V(m) – 25,... Please see Options, Futures, Other Derivatives by John C. Hull, Chapter 25, Page 622-623, Example 25.2 for the reference. Please provide spreadsheet model used to arrive at the solutions. Will gr... Please provide Handwritten answer.. Consider the following linear program min -211 + C2 12 + + C5 C'5 + = 12 s.t + 012 12 + 013 03 -I1 + (22 12 023 03 C5 2 0. and an intermediate dictionary given by 5... #1 Solve for x: 2/5+ 3/5x= x+5/10. A. x=-3 B. x= 2 C. x= -3 and x=2 D. No solution #2 Solve for x: 1/2 + 4/2x=x+4/10 A. x=-4 B. x=5 C. x=-4 and x= 5 D. No solution EXERCISE 3 (INTEGRATON By RATIONAL FUNCTIONS) (a) 2×2 +1 dre x (*2 + 1) Please Explain perform step by step solution of equation#20 . 1023% 1:34 AM 1704.05759.pdf Q . . . where Go = G(do) = 0, To = Po – 3Po, Po and Po are the unperturbed energy density and pressure, res... Using Virtual Manipulative Base Ten Blocks, concretely demonstrate the subtraction problem: 505 – 128 The following results come from two independent random samples taken of two populations. Sample 1 Sample 2 n1 = 40 n2 = 35 X1 = 13.4 X2 = 11.3 01 = 2.4 02 = 3.4 a. What is the point estimate of the di... Help me with this pls. 16 Antara berikut, jadual nilai yaug manakah mewakili fungsiy = 3x – 19 N = 26 -13 19 -13 . How many iterations of Newton's Method are required until |g(z) | < <=0.0001, if g(z) = 0.1(-z2+32-2) – 0.5, and for an initial guess zo = 4? What is the approximate root value z* at this s... If a company's profit is $ 960,000, determine the selling price of each item if the cost of production is $ 140. Knowing that monthly sales are around 1700 units. The fixed expense of this company is ... A mathematics professor is organizing her classroom into groups for the final project. Each student will either be working on a graphing (G) project or writing a paper (P). Also, each student will be ... ABC Ltd buys 15 used trucks at each of two truck auctions each week held at different locations. It then transports the trucks to repair shops it contracts with. When they are restored to ABC's specif... rational function for grade 12. C 7 SHOW WHY THE FUNCTION y = Ex- 3 x + 7x HAS A HORIZONTAL ASYMPTOTE ALONG y BUT THE FUNCTION 4 = 4X 3 HAS A x 2+7x HORIZONTAL ASYMPTOTE ALONG 4= 4. X Question 13 > 0/10 pts 5 99 O D Score on last try: 0 of 10 pts. See Details for more. > Next question You can retry this question below Let a = < 2, 0, 3 > and b = < 5, – 2, -5> . ... Complete the following truth table. Use T for true and F for false. You may add more columns, but those added columns will not be graded. P ~P-q 4 + ~ p p q T T DAD OVO T F 0-0 0+0 F T X 5 ? F F Please provide Handwritten answer. 2) By watson's Lemma, Dole F / L _ x. Since) I (F) = e . It. Question 35 There are two cell phone companies that offer different packages. Company A charges a monthly service fee of $33 plus $0.04/min talk-time. Company B charges a monthly service fee of $41 pl... Topic : real numbers , intuitive idea of set , notation , cardinality of infinite sets , uncountability , cardinality of set . Please go through the the reference to check the answer and question , I ... Sir i am stuck for this question. Question 4: (6 marks) Let A = 0 0 1 LO (a) Use elementary row operations on the augmented matrix to find the inverse of A. (I, denotes as the 3 x 3 identity matrix.... FIND THE LEAST COMMONE DENOMINATOR OF THE FRACTIONS: 1/8, 4/5, 11/14, 11/10 Charles is 65 years of age and in receipt of a CPP retirement pension. He filed a CPT30 election form on April 15th to stop CPP contributions; his employer stopped deducting CPP contributions as of th... NOTE: Please read the syllabus as regards the marking for term work and the rationale for not allowing extensions (basically the goal to publish solutions quickly). Note that due to limited resources,... A= {5, 9, 17, 24, 43} b={A, 9 , 17} Is B a subset of A? Is A subset of A? How many members are in the powerset of B? Write out the powerset of B? QuEStiOI'I 5 [20 points}: Write linear mathematical programming models for the three following problems: Part al 1| 13,51", IE waI + E WIT] using sequence-based formulation type 1 for the case that ... hello, please I need help to answer my homework. thanks to the one who'll gonna answer it. God bless. also, please at least it's clear and the way how you answer it. thanksss.. section. LESSON 1 Scor... Communication 1. True or False: If triangle ABC is similar to triangle DEF. than the following is tme: [2 marks] AB_AC _ DF oa'aa' er: 2. True or False: In a right angled triangle, if one side of ... In a brand recognition study, 1071 consumers knew of Exxon, and 10 did not. Use these results to estimate the probability that a randomly selected consumer will recognize Exxon. Report the answer as a... need help for this. Represent the following using four 4s a. 13 b 42 c. 22 d. 32 please indicate the answer and use picture file format to send the answer. On Z+, define a * b = 1 + 2ab 1. Determine whether the given operator * is a binary operation or not on the given set. 2. Sho... Alive this equation. (1+0-5426 %) 36,000 – 1,500 D . 54262. Here are the numbers of children in 9 elementary school classes. 17 , 16 , 18 , 17 , 17 , 16 , 19 , 18 , 16 Send data to calculator Find the modes of this data set.If there is more than one mo... Recall the Higgins-Selkov model of glycolysis, S' = Vo – CSP2 P' = CSP2 – KP a) Simulate this model with Vo = 0.5, c = 0.23, and k = 0.4 for three different initial conditions. How does the system ... Please provide Handwritten answer. (3) Let P be the subset poset of {a, b, c}. Fix an ordering on P and set up the matrix My. (It will be a large matrix!) Let p: P – R be the function p(X) = 1. Use ma... Prove the following; [5] (a) a sequence (In) in R is unbounded if and only if there exists a subsequence (Ink) such that In | 2 k for all k E N. (b) a sequence (In) in R is divergent if and only if... Demography Problem: A scientist is studying a population of sticklebacks that generally take two years to reproduce, after which they die. In a pond where the fish are newly introduced, she finds that... Hello, I need help with the following questions for a College Algebra with Trig course. please show all your work! . Use the Law of Cosines to solve the triangle where side b = 42, side c = 21 and a... You paid your annual car insurance premium of $1,319 on a Honda Civic. After ten complete months, you decide to sell your vehicle and use the money to cover your school expenses. Assuming no fees or o... The boundaries of the shaded region are the y-axis, the line y=1 and the curve y=\qdrt of x. Find the area of this region by writing x as a function of y and integrating with respect to y. intro to investment management. 1. As a potential investor, what would be your objective(s) and constraints? What major trade-offs do you face? 2. Why is it inappropriate to say "I want to make a... [-/1 Points] DETAILS AUFEXC4 9. 1.062. MY NOTES ASK YOUR TEACHER PRACTICE A Write an equation as part of solving the problem. An overnight mail service charges $5.20 for the first 6 oz and $0.95 for e... (5 marks) Consider the equation: 33"" — 5.1: — 4 = 'D (a) Can we use bisection method to solve the equation starting with the interim] [0, 2]? Justify your answer using the conditions of co... i don't even know please help . Select the correct teens to eirnpl'rly the given function in SOP [sum of products} term: Note: To select Ideps th at wrap around the edges of the table, you must selec... No Due Date Points 100 Submitting an external tool Question A voter in the upcoming election has many different types of issues on the ballot. Of the issues on the ballot, 7 are school related, 10 are... Hi can you help me solve this . Solve the following equations using any of the ALGEBRAIC methods. Show ALL work and check your answers with technology. a) 9"" = 31 b) 5*"3 = 36. A colony... In algebra, we often study relationships where a change to one variable causes change in another variable. Describe a situation you're familiar with where one quantity changes constantly in relation t... I need the workings asap. Let A = {a, b. c, d} and B = (x. g). (a) How many functions are there from A to B? How many of those functions are injections and how many of those functions are surjectives?... QUESTION 3 CCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCC 2. A research team ran a pilot study of a mathematics curriculum. They gave 5 consenting participants (called A, B, C,... Can you show me how to answer this?. Question 4 of 6 A 7 year $10,500 bond paying a coupon rate of 4.50% compounded semi-annually was purchased at 96.40%. Calculate the yield at the time of purchas... Attracted by the possible returns from a portfolio of movies, hedge funds have invested in the movie industry by financially backing individual films and/or studios. The hedge fund Star Ventures is cu... Without graphing, describe the shape of the graph of the function and complete the ordered pairs (0,) and (1,). f(x) = 2-x The graph lies above the x-axis, falls from right to left, with the positiv... Of 50 bank customers depositing a check received cashback. Construct a 90% confidence interval for the proportion of all depositors who asked for cashback. (round your answer to 4 decimals places) The... ** We are considering Lebesgue integral here.. Given f E L'(R), define g(2) = f (t) dt, TER. Let c > 0 be fixed. Prove that g(a + c) – g(x) is an integrable function of x, and (g(x +c) – g(x) dx = ... We consider the system of linear equations Ax = b where 0 5 11 A = 0 0 0 0 -1 b = 0 0 0 0 -1 and whose exact solution * is among the vectors (which one?) (1) (2) (3) (4) (5) (6) (7) (8) (9) (10) St... In its second year of operation, a local Internet provider's profits were $170,500. If this amount was 576% of the company's first-year profits, find the first-year profits (to the nearest hundred dol... (5+5) Let f(x) be defined on 0, 1). Assume that sup f(a) = too. x E [0, 1] a) Show that there exist (n) C 0, 1 such that lim f(En) = too. b) Show that there exists x (0, 1] such that for every o ... Help wanted with problem sets. Find the 5 number summary for the data shown 4 16 30 53 58 64 69 80 90 95 5 number summary: Use the Locator/Percentile method described in your book, not your calculator... Let L be the line x + y = 1 on the xy-plane with y-intercept A and r-intercept B. Let C = (7, 2) and D be the point on L closest to C. 1 (7 , 2) (a) Find the coordinates of A and B. (b) Find AB a... 1 2 V 3 4 5 6 To participate in a baseball league, the required equipment for each player is a glove, a hat, and a pair of cleats. A glove costs $51.95, a hat costs $18.95, and a pair of cleats costs ... Consider a farmer who produces and sells wheat (W) and corn (C). The farmer's profit function () can be represented by the following equation: Where = profit (in thousands of US$); W = quantity of ... answer this. The wavelength of violet is 4. 1 x 10 meters while the wavelength of red is 00000068 meters. Find the difference in the two wavelengths represented in scientific notation. A manufacturer produces two types of calculators, business calculator and scientific calculator. Each business calculator requires 3 circuit boards and 4 hours assembly time while the scientific calcu... Could someone explain?. Giving a test to a group of students, the grades and gender are summarized below A B C Total Male 16 6 19 41 Female 11 7 10 28 Total 27 13 29 69 If one student is chosen at ran... Give correct answer with detailed explanation..... 2.31. Calculate exp [Ar] for the following matrices, Use both the series-expansion and Cayley- Hamilton methods. 1 O (@) A = 0 2 0 -3 LIVE Question 7: VRAP – Variation, Ratio and Proportion 11 marks Question 7 (a) 2 marks I purchased a piece of meat from the supermarket and the instructions on the packaging said I should cook the me... Problem 2 (Convergence for random variables). Let X be a uniform random variable on the unit interval [0, 1]. Let Yn = In(X), where In is defined as follows. First, for any n 2 1, let m be the largest... Find the solution of the recurrence relation an = 4%-1 – 3an_2 + 2" + n + 3 with (10 = 1 and a1 = 4. Headlights on a car are set so the light beam drops 50 mm for each 8 m measured horizontally. If the headlights are mounted 75 cm above the ground, how far ahead of the car will they hit the ground? . Lesson 1 Principal Roots and its Nature (Rational or Irrational) What's In You have performed operations on the set of rational numbers. Now let's check your prior knowledge. A. Find the product o... Lemon. The following is the UPC for RealLemon Lemon Juice. Find the missing digit. 0 53000 30221 _ The results of an IQ test of a group of students in a certain college were taken and are presented in a frequency destribution below Answer the following questions in detail. Use the image below to answer questions. Zoom in to read the pages if needed. The main points established by the author. What is learned about the mathemat... A skier with a mass of 65.0 kg, including equipment, starts from rest and accelerates down a slope. The slope is 27.0 m higher at the top than at the bottom. Assume no energy loss due to friction. ... Question Find the equation of the line with slope -4 which goes through the point (– 7, 2). Give your answer in slope-Intercept form y = max + b. Provide your answer below: Need b. (a) Write down the Newton-Gregory forward interpolating polynomial of degree n C (4) (b) Given the following table, find f(0.75) from a cubic polynomial of the kind in (a) (6) I f() Af AS A3f... 293124072_Linear_Relations (2).p x C O File | C:/Users/khadi/Downloads/293124072_Linear_Relations%20(2).pdf . . . E 293124072_Linear_Relations (2).pdf 4/4 100% + Page | 3 MFM 2P1 9. Amirtha is going t... Hi, Please help with the following questions for theoretical mechanics Here is the diagram being referred to . A SOOg'ram drone is located yo 2 200m. above the surface of planet Q. The planet has... Brandon and Jess meet at a corner, chat for a bit then head off. Brandon walks south 15 m and Jess walks east 8 m. How far are they apart now? (Show diagrams.) (Pythagoras) Problem 1. A drug at a concentration C; is encapsulated in a permeable polvmeric membrane of thickness L and area A. The spherical capsule of volume V; is placed in wellrstirreci water of volume V2. T... Consider this linear program: Minimize Z=47x+42yZ=47x+42y Subject to 211x+14y≥1(C1)112x+72y≥774(C2) x≤5(C3) 213y≤1(C4) x, y≥0211x+14y≥1(C1)112x+72y≥774(C2) x≤5(C3) 213y≤1(C4) x... Determine if foot length can be used to predict height. Test your hypothesis by measuring a person's foot length and using your graphs to predict the height. Now, measure the height of that person. Ho... "............. .... DQ1 (10 points): Solve 64% = 16x sin (x+n) for X, given x E [O, 2x]. Show all steps. Insufficient justification, illegible, or unclear work will result in a loss of m... I need the workings asap . Let a and & be postive integers. (a) Prove that if a? , then ab. This is not as obvious as it looks. You cannot assume that bye- – c, Justify all steps in your proof. ... Problem 6 (8 Points) Find the general solution of y" – 3y'+ 6y = x. . Describe the level surfaces but do not graph. F(x,y,z)=9y— 52+ 1 O The level surfaces are a family of hyperbolic cylinders. O The level surfaces are a family of elliptical cylinders. O The level... Paraphrase this and make it unique without using paraphrasing tools . Treatment of Data: All data gathered by the experiment were tallied, tabulated. analyzed and interpreted accordingly. The data w... Why is it significant to pay attention and study the phenomena that seems to deviate from the observed pattern of nature? Analyze the problem. Construct a Venn Diagram and answer the questions. A survey conducted about preferred mobile cellphone brands with 300 college freshman students as respondents and it was found ou... (5 pts) Suppose in a different song, John Mellencamp wrote about Danny and Sandy. Danny fell in love with Sandy at the beach. He fell into deep love, very quickly. Sandy's love for Danny grew, but... Fix f E L' (R), and for each > > 0 define fx (x) = Af (Xx). Prove that this dilation is strongly continuous on L'(R). That is, show that lim |If – fall1 = 0. Mr. Jay is standing on a level ground, three hundred meters away from a basement/bottom of school flagpole. If the angle of inclination from the eyes of Mr jay up to the top of the flagpole is thirty ... Vehicles pass through a junction on a busy road at an average rate of per hour. Using R, 1. Find the probability that none passes in a given minute. 2. WhatWhat is the expected number passing in two m... Please answer the following question.. Question 9 (8 marks) Let f(2) = y3 – 3x y + iv(x, y), where v is real valued. If f is analytic on all of C, find a formula for v(r, y) and evaluate lim f(z) – f(... answer this and I provide some examples and the table of bisection method (pls pls follow the attachment that I gave) pls follow thiss!!!. Direction. Answer the following: Finds the roots of equat... I need help. Fraction Decimal Percent 45 0.45 45% 100 36 100 0.36 36 % 81 0.81 81 46 100 93 93% 100 0.93 11 55 % 20 0.55 9% design of wood structures. 4 (https://maudenver.instructure.com/Tiles/0974038/download?download_frd=16verifier-3jugV-9 Atcement Given the design parameters shown below for a sloped roof with a rafter s... In your own words, explain (in no more than 5 sentences) what SKEWt measures. Hints: From equation (1), if SKEWt is a large number (e.g., 0.2 or equivalently, 20%), what does it mean? If SKEWt i... Find the weighted average of a data set where 70 has a weight of 2, 80 has a weight of 3, and 90 has a weight of 5. Step 1 xW The weighted average can be calculated using MM where x is a data value an... Use the method of undetermined coefficients to solve the following equations. dx (a) dt – r = sin(t) + 2 sin(2t) (b) dy dx + 10y = 2e-27 + Ar Use RPM to multiplv 15H 23 l 2. Write 124 as a sum of powers of 2 3. Is 25,85? divisible by 9 ? 4. Calculate: 5. Find absolute and relative error in writing 6. Give the GED of 45 3: 105 a} 90 DIV 1... The marginal cost function of producing q mountain bikes is C' (q)=15q+600/0.3q+5 (a) If the fixed cost in producing the bicycles is $2500, find the total cost to produce 30 bicycles. Round your answ... The TFR in Japan in 2014 was about 1.4. Assuming a permanent increase to replacement fertility , sketch the following separately (Your age-pyramids can be only one sex if you don't want to stress abou... Can i please have all solved with full working out !! Thank you . Question 2 [30 marks] a) A ship sails 20 km due east, then turns 30" north of east and sails another 40 km. i) Draw a vector dia... we are going to remodel the classroom J4 with new paint. The classroom is a rectangular box and we will only paint the walls and ceiling. Not the floor. The dimensions of the room are 28.7ft by 30... Ly 0/2 pts * 2 0 Details The cost of a ticket to the circus is $23.00 for children and $47.00 for adults. On a certain day, attendance at the circus was 900 and the total gate revenue was $32,700. How... please answer this. "1. Construct a table of values of ordered pairs for the given function. The table of values for f(x) = 2x T 10 fluid ounces per kilogram is how many milliliters per poind MATH REAL ANALYSIS MULTIPLE CHOICE QUESTIONS. Which of the following statements are true? Tick all the true statements. You will only get credit for this question if you tick all the true statements... please help. 16. A math teacher introduces a mathematics game to her 20 Grade 12 students in order to teach a new concept. She finds a positive correlation between the use of the game and the masterin... Can I please have full working out to this question please!. h} A survevor wants to calculate the height of a flag pole. She measures the angle of elevation front the top as 45" at point A {see fi... hi can you help me solve these. PROBLEM 1 Sketch the following functions: f(x) = (x + 1)3 (x – 2)? Include: x-intercepts . y-intercept . Degree 2 -6 -4 -2 0 2 6 -2 -4. Write a POSSIBLE function given ... Arrange these numbers from least to greatest: 7,550 5,070 750 5,007 3. Explain how this vertical number line can be 4. 51,988 rounded to the neares used to show that 35,124 rounds 35,000 when rounding... No Tugas Tutorial Skor Maksimal Sumber Tugas Tutorial 1 Misalkan diketahui jumlah barang "X" yang diminta dan ditawarkan pada dua tingkat harga yang berbeda seperti terlihat pada tabel berikut: Harg... https// (a) Draw a tree diagram to display all the possible outcomes that can occur when you flip a coin and then toss a die. O O 9 10 11 12 13 14 7 8 9 10 11 12 13 14 15 16 17 18 (b) How many outcome... The following data are the Philippine monthly inflation and T-Bill rates (all maturities) for the last six months of year 2019: Find the equation of the best fit line. INFLATION RATE (X) 3.9 4.0 3.5... Sketch the graph of y = – 2 x + 3 – 4 by sketching each separate transformation of the graph of y = x . State the domain and range of the transformed function. Domain: Range: 2. Usi... Write each as a rate and as a unit rate: 1. 60km in 12 hours 2. 26cm in 13 s 3. 230 miles on 10 gallons 4. $12.50 for 5lb ~ 1 hour 0/22 QUESTION 14 . 1 POINT Idaho has 657 k-12 schools and a state population of 1, 826, 156. How many schools does Idaho have per 100, 000 people? Round to the nearest whole number. Provide y... From the complex analysis thank you!. 1. Find where f(z)=x2-y?+i | xy | differentiable and analytic+ 2. Find a Harmonic Conjugate of u(x, y) = sin(x)*cosh(y)+ Which of the nominal and periodic interest rates is NOT equivalent to a periodic interest rate of jq= 3.22% a. j2=13.087 b. j12=12.744 c. jmo= 1.0906 d. jw= 0.24 answer this. Dogs have an average of 1.5 x 10 hairs on each square inch of skin. If the book of a dog is 24 square inches, approximately how many hairs are on the dog's back? Given a flow network G(V, E), for every edge (u, v), . I(u, v) is the lower bound on flow from node u to node v; . c(u, v) is the upper bound on flow from node u to node v; . e(u, v) is the expense fo... Sir i am stuck for this question. Exercise 2 [4 points]. Given a training set D = {(x(0), y()), i = 1,. .., MJ, where r") E RN and y") E {1, 2,..., C}, derive the maximum likelihood estimat... Define A,B, and X. 1 2 3) Evaluate A + 2A-31 for A = 2 3 Please writte reportfo a Ford car include this budget $40,000, four door,automatic,3 ltr engine,airbags,air-conditioning,CD Player. Example 3 . 1. Let N = {s,a,b,s' }. Let the nonzero capacities be k(s,a) = 5, k(a,s') = 2, k(a,b) = 1. k(s,b) = 7, k(b,a) = 6, k(b,s') = 9. Draw a picture of the capacitated network (N,k). Make a ta... Prove the following. Prove the identity: kte) S(m, k) S(n – m, l) = S (n, k t l). e m Asap Please . 6. (i) Stillring University is offering a series of eight workshops to ten local schools; each school is invited to take part in at most three workshops. The workshops will take pla... a) identify the independent variable and dependent variable. explain your choices. b) produce a scatter plot for the data and classify the linear correlation. c) determine the correlation coefficient ... Show that ∫ a b w (x) d x = 3 1 [(2 a + b − c) + 2 a − c] h 2 where h = (b − a) and w (x) is w (x) = ∫ a x (x − c) d x . Show that if c = (a + b ... As biostatisticians we have computed that smoking kills. Unfortunately, however, some students find it to be an expression of liberation. Chain smokers typically consume 12 cigarettes per day, with a ... A group of 20 math students are offered 6 courses in a particular semester. Each student chooses between zero or six courses to take. Prove or disprove. There are five students and two courses such... The library at a certain university reported that journal prices had increased by 140% over a period of 10 years. The report concluded that this represented a price increase of 14% each year. If jou... Above it is said that the birth rate of bears is a sum of two terms. Suppose that these two terms are M and NV and that the birth rate of the wolves is therefore M + N (for this question it doesn't ma... Show that this estimator is a kernel density estimator.. Problem 1.1. Rosenblatt's density estimator is given by Pn(2) = h- [Fn (x + ?) – En(x – 2)], where h denotes bin width and Fn(x) is the empiri... MAT 136 Problem set on Mobius Module 8. Consider the following random sample of data: 11, 25, 28, 15, 23, 6, 10, 3, 100, 19 a) What is the median of the sample data? Round your response to 2 decimal p... You are interested in estimating µA, the mean monthly rate of return of the stock of Company A listed on the Toronto Stock Exchange. You randomly pick n=36 months, for each you observe the monthly ra... please solve this 1. A What is the present value of $2,500 due in 6 years and 3 months if interest is 6% compounded quarterly? (15 marks) Ant thoughts?. H. Write an equation in slope-intercept form given the points (-2 3] and (0, 7). Hint: You may want to begin with point slope form, and then convert to slope Intercept form. A passbook savings account has a rate of 12%. Find the effective annual yield, rounded to the nearest tenth of a percent, if the interest is compounded monthly. i Click the icon to view some finance f... A lump sum of money is invested at a rate of 10 percent per year compounded quarterly. How long will ittake the investment to triple? Vanessa sets aside 715 into a saving account each month. if her monthly budget is 3,575,what percentage of her budget does she put into savings? Please refer the questions on word document Data Download the file Golf.jmp. Use JMP to develop a multiple linear regression model to predict the Earnings/Event using the data found in Golf.jmp. Consi... 4-Pin numbers have digits. How many different pin numbers of length 5 either start with a 0 or end with a 1? Write your answer as an expression to show that you are applying the product rule, sum rule... Mang Jun and his farm workers harvested 2, 976 lettuce and 1, 245 carrots. If each kind of vegetables is to be divided equally on 13 baskets, how many of each kind cannot be included in the baskets? Return to question Sarah Jones earns $545 per week selling life insurance for Farmer's Insurance plus 4% of sales over $5,750. Sarah's sales this month (four weeks) are $23,000. How much does Sarah ea... . Directions: Given the data, answer the questions below. Teachers Gender Age Board Rating Job Performance M 37 Monthly Salary 84 Type of School 95 M 29 11200 81 Private-Sectarian WN 83 M 17800 45 8... The Excel file for this assignment contains a database with information about the tax assessment value assigned to medical office buildings in a city. The following is a list of the variables in the d... In politics, marketing, etc. we often want to estimate a percentage or proportion p. One calculation in statistical polling is the margin of error – the largest (reasonable) error that the poll could ... Consider a binary group code with generator matrix 100111 G=010011 001101 (a) List all the code's possible messages with the corresponding codewords. (b) Find the minimum distance of the code and... Doctor Armel and Doctor Nike have twenty-four patients. Twelve of the patients have symptom alpha, six of the patients have symptom beta, and fifteen of the patients have symptom gamma. There is only ... Quiz (optional) Remaining Time: 02:23:47 Consider the integer N represented in two's complement by the bit patter (1111 1101 0000 0110) on 16 bits. The inserted space is to make it easy for you to rea... Please help in 6,7,8 of part2 urgent required. . PART 1 Dr. Jacobs West is an investment manager for Prokop Investments. He is currently faced with the question of which company to invest in. The... Make a math drawing that shows bundled ob- jects representing 1.1 and 0.99 and that demon- strates that 1.1 > 0.99. Hello, this question is related to mine: We use Diffie Hellman Key Exchange with private keys X, Y. Let p=71 and the generator of the field g=7. Construct two possible common public keys by selecting ... Consider the projection of two nodes vi , vj onto the positions of the unit hypersphere whose normal vector is the node's row vector of A. For example if Ai = [1 0 0] vi is projected onto the sphere a... . 16. Consider least squares with sign constraints: [Mx – g 2 = min., x 2 0. Find a necessary and sufficient condition for optimality With your post-graduation income, you can afford to either purchase a home or buy a vehicle. You can either spend 24% of your gross monthly income on house payments, or 9% of your monthly income on a ... In the following, let y be the propositional formula p – q – p/q. (a) Draw the syntax tree of p. (b) Use the recursive definition of [-]. to evaluate [v].. Make sure you provide the definitions of any... Show all work and explain all details Given f(x) = x' – 4x -4x + 16 and g(x)=x* – x' – 3x' +5x – 2. Answer the following questions for each function and sketch their graphs. a) List all possible ratio... (10 Marks) Prove that if u and v are solutions to the heat equation, and if u ≤ v for t = 0, x = 0, and x = L, then u ≤ v for all t ≥ 0 and x ∈ [0, L]. u is the limited loss random variable. Show that, if X > 0, then E[X A u] can be expressed as a) f;S(x)dx for Continuous X b) 23—1 SOC) for discrete X a doctor records the number of months that have elapsed since a diabetic person's last medical visit. which answer is correct (measurement levels): nominal, ordinal, interval or ratio. 2) (3 points each) In the following number patterns, write the most likely next number/equation: a) -2, 8, -32,128, b) – 7, -2, 3,8 c) 12, 20, 30, 42, d) 1 = 12 1+3 =22 1+3+5=32 Math 176 Assignment 2 The following table represents data from an experiment 12 50 60 0.5 2.8 10 45.1 70 a. Graph the data on the log-log graph paper that is attached (next page). [3 Marks] b. Determi... Consider the linear system Ax = b, where 2 A = b = 2 3 Additionally, consider the following Iterative Method (IM): x(k +1) = B(a)x(k) + c(a) where 202 + 2a+1 -202+20+1 B(a) = -202+ 2a+1 202+20+1 (... Topic: creating a small story that can apply at least 3 math principles/concepts in it. Given principles: o Permutations with identical objects o Combinations o Pascal's triangle o Venn Diagr... Two whole numbers have a least common multiple of 60. Each number is less than or equal to 12. The greatest common factor of the two numbers is 2. Identify the 2 numbers. The table at the bottom of this question shows a series of x, y points giving the fraction (f) of a drug released from a matrix over time (t). When graphed, the form of the data follows the following ... Acrobat Reader File Edit View Sign Window Help 4 7 Q 2 @ Wed Dec 15 4:07 PM ... Math 107 Home Tools Math 1070 – Final... Math 107 X ? Sign In 2 / 20 + 106% Y Search 'Crop Page Lo Export PDF A Adobe Ex... Let a noisy acoustic signal be described by the equation: Xt =Acos(wt+θ)+4ξt, t∈N where A is a random variable with zero mean and unit variance, θ is a random variable uniformly distributed on th... How to solve system of equation 2x +y= 1 3x+4y =3 in the system F 5 F 5 =(0,1,2,3,4) The total body surface area, or BSA, of a human is difficult to calculate. There are various models that estimate BSA based on a person's weight and height. One simpler model is BSA =Sqrtwh/3600 where... Graph the solution of the system of inequality . Graph the solution of the system of inequalities. -x + y= 3 x + 2y = 10 3x + y s 15 x 20, y 20 10 Graph Layers After you add an object to can use Grap... Weights of young kids from Mali Island is normally distributed , having mean weight of 40kg with standard deviation of 6kg. If a child is selected at random, what is the probability that the child wei... business mathematics. Question 36 (3 points) Import Exclusives Ltd. received an invoice dated May 20 from Dansk Specialties of Copenhagen with terms 5/20 R.O.G. for; . 100 teak trays at $34.30 each; o... Good morning! I have this homework due tomorrow, I hope I can get some help???? QUESTION 1 The veterinarian orders a Fentanyl (50 mcg/ml) CRI at 0.7mcg/kg/hr for a 4 kg cat. The fluid rate... Match each function with its graph. fix= X (6 marks) x-1 x+3 graph fix x -9 x – 3 graph fix=_ x+32 graph fix=- graph fix= =1 x-3 graph x x – 3 graph C E B D a) Find the gradient of L 1 b) Find the coordinates of point C c) Find the equation of L 2. Give your answer in the form ax + by + d = 0, where a, b, d E Z d) Find the value of k. e) ... Question 1 Solve the problem. Find the measures of the supplementary angles! 970 Please kindly show workings clearly thank you. 8. A winter cover will be made for this swimming pool. The material for the cover sells for $2.50 per square metre. How many square metres are needed and... The concentration of a drug in the body fluids is given by C=C0e−0.8tC=C0e−0.8t, where C0C0 is the initial dosage and t is the time in hours elapsed after administering the dose. If 35mg35mg of... (a)Given the differential equation y ' = x+2 and y(0)=3. Find an approximation for y(1) by using Euler's method with two equal steps. Sketch your solution (b)Solve the IVP differential equation y '... Please provide explanation for each step. HUUQLIUII J Ul I A Final answer needs to be submitted to the online test question response field. Use the logbook function to show your approach, work, any eq... Congratulations! You have just won the question-and-answer portion of a popular game show and will now be given an opportunity to select a grand prize. The game show host shows you a large revolvin... Please provide Handwritten answer. Question 23 , Please state one possible violation of standard model assumptions for each of the residual plots below (one sentence for each plot): 40 8 80 20 Residua... 3) (4 points each) Find the following sums: a) 1+2+3+4+... +630 b) 400+ 401+402+ ...+ 630 probability. KA survey of 35 individuals who passed the seven exams and obtained the rank of Fellow in the actuarial field finds the average salary to be $150,000 per year. If the standard deviation f... Find the slope m and y intercept b. y=7 m= b= and also graph it . Let S be the set of all functions from the set { 1, 2, . .., n} to the set {1, 2, 3}. Let A = {f ES : If ({i}) | > 2 for i = 1, 2, 3}. In other words, A is the set of functions in S for which e... Write a short proof up to three sentences for the statement Vx3y(y < 2x+1 and y is odd). In your proof you can use without proof simple theorems such as "even+even is even", "even + ... The mean of 12 numbers is 48. Removing one of the numbers causes the mean to decrease to 45. What number was removed? Explain or show your solution. (1) [~Ash 6.1.1] Give an example in which f is Riemann integrable on [0, 1] and a is increasing, but fo fdo does not exist. Explain explicitly, in terms of Riemann-Stieltjes sums or upper/lower sums, ... Quadratic equation. class worth 504 – 23 + 2,C2 = 109(5 + x 2 – 32 (2 – 2C + 1 – 1 = 0 8) (5 points) Using a real-life context (brownies, etc.), explain why dividing both the numerator and denominator of by 2 produces an equal 10 amount of something. Use a drawing to help your explanati... A professor teaches a class of 60 students and another class of 40 students. Five percent of the students in each class are to receive a grade of A. How many different ways can the A grades be distrib... Write the negation of the statement. No sharks can live in freshwater. Choose the correct answer below. O A. Some sharks can live in freshwater. O B. All sharks can live in freshwater O C. All sharks ... fluid mechanics. 2. For functions a(t), b(t) and f(x, t) with continuous derivatives, show that b (t) b (t) d of dt f(x, t)dx = at (x, t) dx – a'(t) f(a(t), t) + b'(t) f(b(t), t) a(t) a(t) For discu... Please provide Handwritten answer. Exercise 2.4.5. Let A = {(—00, :17]; a: E R}. Prove that 0(A) = B, i.e. that the smallest a-algebra of subsets of R which contains A is equal to the Borel a—alge... Use Lattice Multiplication. 11) 452 x 75 12) 335 x 66 5 6 13) 272 x 19 14) 553 x 81 15) 229 x 84 16) 902 x 27 Challenge 1) 223 x 341 2) 923 x 504 Representations of Rational Function Please present a full solution/explanation. please help with the following. D Question 5 4 pts For the next 3 questions: Use proof by induction to show that for all positive integers, 2 + 6 + 18 +...+ 2-30-1 = 30- 1 1. State a Basis Case and pr... please solve. Homework Five 5.1A The Des Moines City Council is considering increasing the number of police officers to reduce crime. Before making the final decision, they asked the police chief to s... E Hom < Question 24, 3.4.11 HW Score: 24.14%, 24.14 of 100 points O Points: 0 of 3 Solve the system algebraically. 58 X Y E 3 7 4 317 81 X 9 27 Select the correct choice below and, if necessary, fi... PROBLEM DESCRIPTION NU Industries operates two manufacturing plants that produce three products: Widgets, Gadgets, and Flugels. The finished products are shipped to the Distribution Center for final d... Chapter 4 Excel Activity – A Random Sample of Students There are many real world scenarios in which a random sample is needed. The most basic form of random sampling is called simple random sampling. ... Show that an atom that has been chosen in a given iteration is not chosen again in Orthogonal Matching Pursuit (OMP). Please. Question 5 of 6 Alicia purchases a retirement annuity that will pay her $2,000 at the end of every six months for the first ten years and $400 at the end of every month for the next five years... A quantity grows exponentially. Each year, it grows by 8%. Determine how long it will take for the quantity to triple. Express you answer in years, round to two decimal places and enter the numeric va... Construct SUMMARY OUTPUT Regression Statistic Multiple R 0.976236077 R Square 0.953036879 Adjusted R Square 0.946079379 Standard Error 105.8107623 Observations 32 ANOVA d'f $ MS F Significance F Regre... /1088313/assignments/15454817?module_item_id=35894560 e No Due Date Points 100 Submitting an external tool – 2 days QUESTION 6 . 1 POINT Delta has decided to start a side business as a photographer. S... From the number theory ,thank you!. Problem 1. Give an alternative proof for Gauss;s Theorem by using that @ is multiplicative. Problem 2. Let n be a positive integer, and a an integer Probe that if t... the table before plotting the graph. Here the "= " means corresponding values of P. P is a probability distribution, with values 1; 0.5; 0.25; and 0.125 on the Y- axis. these two t... refer to image for question. Within a company is a (micro)economy that is monitored by the accounting procedures. In terms of the accounts, the various departments "produce" costs, some of w... -Prove that if p , q ∈ C , then p + p 1 = q + q 1 if and only if p = q or p q = 1 -Using the previous question prove that c o s (a) = c o s (b) if and only if a − b or a + ... A person invested in two accounts, one paying 3% simple annual interest and the other paying 2% interest. He earned a total of $880 in interest. If he invested three times as much in the 3% account as... Let X, Y be sets with A, B C X and C, D C Y. Verify the following: (a) A X (CnD) = (A x C)n(A XD). (b) A X (CUD) = (A X C) U(A XD). Trinity Valley Furniture Warehouse has purchased a retail outlet with six departments, as shown below. The anticipated number of customers that move between departments each week is given in the lo... Sicherman Dice: are a pair of six – sided dice, one(blue) with faces labelled 1, 2, 2, 3, 3, 4 and the other (green) with faces labelled 1, 3, 4, 5, 6, 8 Procedure: In this activity, you will compar... assignment 2 number 12. Find the decimal number represented by 111111 when it is interpreted in each of the following 6 bit representations Unsigned Binary Number Two's complement Number Excess 32 Num... When we multiply 37 X 26 by using the common method, we start the sec- ond line by writing a zero: 37 X 26 222 0 Explain why we place this zero in the second line. = Quiz: Quiz ... < Question 1 of 10 This quiz: 10 point(s) possible Sul This question: 1 point(s) possible Find the volume of the shaded area. When appropriate, use the a key on your calculator. 16... Language of Mathematics – Give the Correct Answer and Show Complete Solution : ITEMS 11-20. Choices are given on the table.. For numbers 11-20, write the CAPITAL LETTER of the correct answer on the sp... In an assembly-line process. the Ell-kg package Astarts from 3 mrs at the position shownr and slides down the smooth ramp. Suppose that you want to design the hydraulic device B to exert a force of ma... Express each of these sets using a regular expression (5 pts each). a. the set of all strings with zero, one, or two bits b. the set of strings of two Os, followed by zero or more Is, and ending wi... . (4) [~Ash 5.2.4] We continue looking at Taylor polynomial and the remainder term for e" that we found in the previous problem. (a) Inspect the remainder term for this Taylor polynomial to sho... Question 9 (16 marks) A small commercial aircraft has a wing area of 30 m, a lift coefficient of 0.45 at tal settings and a total mass at 2800 kg. (a) State all the assumptions you make. (b) Evaluate ... The number of daily evening newspapers in the United States has decreased by 46.5% to 389 newspapers between 2000 and 2015. How many daily evening newspapers were there in 2000. Please can you provide... Q8. Problem 8. (6 points) -2 Let W be the subspace spanned by Find a basis for W and the dimension of W. 3 9 -1 -5 -3 -2 6 -1 8 0 0 (Note that the reduced row echelon form of is OOHO OHOO ONL 2 -6 0 0... Gather the height (in inches) of at least 10 male and 10 female classmates. Tally the result using Frequency table (ungrouped) Example: Height (in inches) Frequency 59 2 60 64 . . . III. Compute th... Worksheet in General Mathematics (Week 7,8 and 9) 1. Solve the following logarithmic equations. 1. log 5x = log (2x+9) 2. log (10-4x) = log (10-3x) 3. log (4p -2) – log (-5p +5) 4. log (4k -5) = log (... Is it possible for the Fibonacci sequence to have negative numbers as the given first two terms? Jerome has kept track of the hours he spent studying and his marks on the examinations. a) create a scatter plot for Jerome's data and classify the linear correlation. b) perform a regression analysis... Suppose that a can has a radius of 0.8 inches and a height of 3.2 inches. How much soup will we be able to fit in the can? Show the units in the work and in the answer. How much aluminum is needed to ... slove it please. 2. (A Symmetric Markov Chain) Let X be a Markov Chain with state space S = {0, 1, 2} and transition matrix O – P P 0 1 – P p P = p 0 1 -P where 0 < p < 1. Prove that aon ain a2n... answer all parts please. 3. Let N be the set of positive integers, and consider a subset Soo of the set Aut(N) of bijections on N defined as follows: . { (u = (u)D) (I < uA)(N= IVE) | (N)inv = 0} =... Consider the following partial differential equation: du 1 , at + u- ar =0, u(x, 0) = 0<x<1 0, otherwise The solution to this equation will immediately form both a rarefaction wave and a shock. ... it is more for a aeronautical and aerospace engineer. 5 Which set of degrees of freedom of an aircraft constitutes the Translational group? a. Surge, heave and sway b. Roll, pitch and yaw c. Surge, he... (Simplify your answer . Type an integer or a fraction). In each case determine k so that the line is parallel to the line 3x – 4y + 15 = 0. a. 6x + ky = 18 b. kx – 8y – 24 = 0 c. y = kx + 4 d. x = ky ... [914. In a regression model y(n x 1) = X(n >< (k+ 1))fi((k+ 1) x 1) +e(n x 1) where e ~ Nn(00' 21) and s: [s0 s1 ... sky. To estimate ,3, we minimize 306) = (y — me — X16) + M21302 where A ... Find the solution to the following linear, homogeneous recurrence with constant coefficients: an = -4an 2 for n > 2 with initial conditions ag = 6, a1 = -8. The solution is of the form: an = (a +is... Please answer all parts to this question. I will make sure to upvote!. 6*. Let C(R, R) = {f : R – R; fcontinuous}. Find card(C(R, R)). Note: Problems with * are graduate problems. Graduate students so... Let A := {0 n 1 n |n > 0}. And B := {w|w is an even number}. Show that A ≤ m B Note that B is regular while A is not. . EGR3323 Homework #6 1. Consider the region R graphed below. R is one quarter of a circle with radius 1. Figure 1 Region R. For double integral JJ f (x, y)dxdy over the region R, find the upper and... Let k be a finite simplicial complex and n is equal to the number of path-connected components of |K . Show that Ho(K) ~ Z". Karen is assisting the veterinarian with a rabbit who has wounds from a dog bite. The veterinarian asks Karen to prepare Lidocaine 2% at 1.5 mg/kg to use as a local anesthetic that will numb the wo... Where does all the water go? According to the Environmental Protection Agency (EPA), in a typical wetland environment, 36% of the water is outflow; 47% is seepage; 5% evaporates; and 12% remains as wa... (7 marks) Find the order of error in the following approximation. (show your steps) f'(x) = 3f(x) – 4f(x – h) +f(x – 2h) 2h Find the sum of the first 10 terms of the geometric sequence whose 6th term is 100 and the common ratio is 0.5. How would we denote the following set: all ordered pairs of ordered pairs of real numbers (No, it is not a typo.) O {(a, b, c, 1) : a, b, c in R} O {((a, b), (c, d)) : a, b, c, d in R} O {((a, b), (a,... sir i am stuck for this question. 6. (4 MARKS) Suppose that A is an invertible 2 x 2 matrix such that 2 3 0 A-+ 12 = 0 Then A = -2 -3 (a) NIN 0 (6) (c) 2 0 2 -1 3 (d) NIN (e) None of these O – 2 ... Question : This question has two parts. Each part requires you to use the properties of Delaunay triangulations to give short and concise proofs. 1. We say that a pair of adjacent triangles, Δ(a, b,... Please Correct this. . Solve for x when zero ton x = 1 sin(2x) 2 – The population of Math ville is modelled by the function P (+) = – 2+' + 54+2 – 40+ + 21060 where t represents the number of year... could you please solve and explain the following questions. (3r – 2) = n(3n – 1) 2 (4r – 3) = n(2n – 1) M M M M 3 (2r – 1)2r = n(n + 1)(4n – 1) (2+ 1) = n(n + 1)(3n + 1)(n + 2) 12 Please show all work!. Let X, Y be sets with A, B C X and C, D C Y. Verify the following: (a) If A C B and C C D, then A X C C B X D. (b) (AnB) x (CnD) = (A x C)n (B X D). # of Votes 6 3 6 1 st C Place D B C Using Borda Count, what is the total score of candidate C? and B. 52 Place A C A 3rd b. 55 Place D D 4 c. 53 A Place A B d. 43 O a Ob OC O d You decide to do some remodeling in the kitchen. Your parents agree to lend you the money, but you insist on paying them interest. The agreement is that they will lend you$8000.00 at a simple interest... Please help. A couple wants to buy a house and can afford to pay $1500 per month. a. If they can get a loan for 35 years with interest at 6% per year on the unpaid balance and make monthly payments, h... What is the value of a derivative that pays off $100 in six months if the price of AAPL is greater than $140 and zero otherwise? Assume that the current level of AAPL is $115, the risk-free rate is 1%... I need help with this. (14 points) Let p > 0 be a prime. Prove that if ab = ac (mod p) and a # 0 (mod p), then b = c (mod p). parabola.. Q6. From the given graph, find the equation in factored form Y = (x + a)(x + b). (2mrks) N Q7. Find the equation in quadratic form Y = ax + bx +c of the given graph. (3mrks) -25 . (1) [~Ash 5.1.1] Let f(x) = x2 sin(1/r), r # 0; f(0) = 0. (a) Make a rough sketch of graph of f around 0. (Start by drawing parabo- las y = x2 and y = -12. If you are not sure what to do, plot the... hi what is the roots vertical asytope yhorizontal atope and holes in f(x) =2x+3/8x+12 Thank you in advced for a detailed response. Problem: Outside a building, the temperature is T 0 (◦C) and does not change. The building is heated by a heater working periodically during... Question 7 (4 points) Consider the radioactive decay formula A=A0e'kt where A is the amount of radioactive material remaining at the time t. A0 is the amount present initially and kis the decay consta... The amount of 12% saline solution for liters and the amount of 30% saline solution for liters too. Please and thank you! :). ->1 Stimulus 4.3 Mixture Application, Lab Activity 10 1p A scientist nee... How do you solve exponential decay questions when given time elapsed, and percent difference in the substance amount? PART A: MULTIPLE CHOICE (7 marks) i...... For each question below, select the most correct answer. Then write the CAPITAL LETTER for each answer in the grid below. At the top of this page write the th... Sunshine Snacksproduces Big Foot and CheeseSticks. Each pack of Big Foot requires20 mg potassium, and each pack of Cheese Stick require 30 mg potassium. During the next two hours, the f... The average home uses about 13,000 kilowatt-hours (kWh) of electricity per year. Appliances and refrigeration account for about 19% of this total. If electricity costs $0.17 per kWh in a part... Question 1 Determine the LCM of the given polynomials: Leave your answer in factored form. o' – 40 – 21 5 + 15. Question 2 Determine the LCM of the given polynomials: Leave your answer in factored for... There are two parts to the following question. First, answer part A. Then, answer part B. Brianna and Gavin used partial quotients to show 552 + 23. See their work below. —m Step 1: Subtract (20 X 2... In 1974 a typical car weighed around 4,000 lbs. If a quarter pounder really weighed a quarter pound, how many quarter pounders would weigh the same as the car? If in 1974 quarter pounders at your favo... Twelve students wrote their names and the number of letters in their names on cards as shown. Grant Courtney Owen Held Kolo Man unda June 5 a) Use the line to construct a line plot of the information ... I need help pls this is our first day learning this stuf. Complete the table. X . 8 . 1. Find expressions for (a) ag for the supply function () = P2 + P + 1 (b) R) do for the total revenue function TR = 500 – 302 Any thoughts?. 12. Pick out the point and slope from the following equation. y = J(x – 2)- 7 Slope: Point: Find the mean and the variance. < Example: (Exponential distribution) Exponential distribution is an exponential Family because the exponential pimp is f (xla)= ded x I d goby (*) 2 ft 2 ft 1106 O B C A P Cord AB is 2 ft long, the force P = 90 lb, the angle 0 = 52 degrees and the spring's stiffness is k = 53 lb/ft. Note that cord AB is separate from the cord to which P is ap... sol. youpunt bui jo sailss dating] ouj ul sulej oney you xis isnj au sindwog) Browse the DepEd mathematics curriculum guide. Choose a topic from K to Grade 3 . Write the topic and grade level below. How are clear and coherent arguments and proofs formulated?how are they proved or dissaproved? Find the equation of the ellipse shown in the graph. (0, 6) (-40) (0, 0) (4, 0) -X -8-7-6-5-4-3-2-1 2 3 15678 (0, –6) Please help me compute ∫ − ∞ ∞ x 2 c o s (3 x) − 1 using an indented path What will be the value of Nz in the given equations * w+x+y+z=-2 2w – x – y + 2z =7 2w + 3x +2y – z= -2 3w – 2x – y – 3z = -2 A. 27 O B. -54 O C. -81 O D.O mathematics. which weakened to have the pokal 3- mid welch the puph mmm can tou please help me understand this question. 2.1 To develop essential mathematics skills, learners should learn to use mathematical language correctly. How would you, as the teacher, clarify the d... help me please with math. g Decimals by Whole Numbers Divide. Round to the nearest tenth. 5.1 104 Enter ration Ali Rights Reserved 5 6 8 9 O After researching different local banks, you find a 20-year fixed interest rate at 4% for your home. Determine the monthly payment of principal and interest on the loan. (see chart in book) S, 2(3 + 2x)2. dx (3 marks) V. (3+2 – 2). (t3 – 2t)2. dt (3 marks) Question 2 0/10 pts) 100 @ Details Find the vector equation that represents the curve of intersection of the cylinder x2 + y' = 1 and the surface z = x + 2y. Write the equation so the x (t) term cont... I need help in finding the appropriate polynomial and fit using the least-squares criterion of best fit. . 9. The following data were obtained for the growth of a sheep population introduced into a ... show the following:. 2. Let F = -Vo, and G = V x A, and let H = F +G. Show that of and A satisfy the equations, V20 = -V . H, V(V . A) – V2A = V X H. Homework 6 due November 17, 2021 Question 1: Consider the function of 2n variables 2n 2n 2n g (x) = 2 Ei (x) 2 – Exit [(xit xi-1)2 + (x – xi-1)2|+ (x2n – 21)2. =1 i=1 i=2 Q1.a For n = 10, n = 100 ... I NEED HELP . Question A. Solve for the unknown. Assume that the first variable varies inversely as the second variable (2pts) If z = 4 when x = 8, find z when x = 4. Note: NUMBERS ONLY.. Question A... jerarquía de operaciones. Act- 23 @at (3-1) = b) [10 – (2 x3)]- ()45+ [10 + (5: 2)1: d) 125-[4+ (25+10)-(2×1) = () 20+45+ 2*5+3= Ejemplo: a 18-2) x4 43- 27 $ 6 X4+3 24+3- 21 I NEED AN ANSWER IN 30 MINS TY!. 1. A permeable soil layer is underlain by an impervious layer as shown in the figure below. Knowing that k 6 x 10 cm/sec for the permeable layer, calculate the rate of... Let X, Y be sets and f: X -> Y be a function. Prove the following are equivalent: (a) There exists a function g: Y – X such that fog = Idy (b) f is surjective. question 8. 5-8 GRAPHING SOLUTIONS Using (13) sketch or graph a figure (similar to Fig. 291 in Sec. 12.3) of the deflection u (x, t) of a vibrating string (length L = 1, ends fixed, c = 1) starting wi... You work as a greeter for the highway commission 120 hp grade are you operate requires about nine hours of productive machine time to grade 2.47 acres how long should it take you to complete 6 acres r... Recall that the n -hypercube Q n is the simple graph whose set of vertices is the set of all binary sequences of length n , and in which two binary sequences s and t are adjacent precisely when th... Javier y Romina realizan una inversión en acciones con la misma cantidad de dinero. Javier ganó $ 10.000 y Romina perdió $ 6.000, de tal manera que la cantidad que le quedó a Romina es la tercera ... please assist. C F 9 15 B E 12 11 13 A D a Apply the sorted edges algorithm to the graph above. Give your answer as a list of vertices, starting and ending at vertex A. Example: ABCDEFA Explain your answer in details.. The profile below shows the preferences of voters in an election with 4 candidates (A, B, C, and D). Determine the Borda count winner of this election. Use the table t... Consider a 2-category 2D classification problem where each class is a Gaussian with the following data points for each class: X1 = 13 4 2 3 Co 4 6 6 X 2 = 5 8 -2 i. Calculate the means and covariances... Evaluate the live Integral applying Stoke's thm. 1 = = f(x.y) = $16- x 2- 42 F (x ,y, 8) = 1 + x j – k 2 h(x, z)= (x, 516 – x2 , z) F (x , 4 , t) = xi + j – Ek Apply Green's them to evaluate the... Use interval notation to indicate all the real numbers on the number line that are less than 13. Help me this question clearly step by step pls!. Question 5. A cone-shaped drinking cup is made from a circular piece of paper of radius 9 cm by cutting out a sector and joining the edges CA and CB as... How much thermal energy does 97044 ft-lb f of work produce, if the conversion is made at 31.9% efficiency? Answer in BTU, rounded to one decimal place. Please provide Handwritten answer of. Are formulas of the following form generally valid, satisfiable but not valid, or unsatisfiable?. E) 3x [A(x) = B(x] = [3x A(x) 3x B(x] (2 ')VV(<'x)VizA<AX... NO PLAGIA. NO TO SHORT ANSWERS. What is Inverse Function? What do you know about Inverse Function? Why do we need to study inverse function? How important the Inverse Function is? What is the purpo... In a city where the sales tax rate is 8.9%, find the sales tax and the total cost of a dishwasher that costs $499. Round to the nearest cent. Please provide Handwritten answer. Problem 6 Rewrite the following expression in the vector form (show your work) 1) AC,Be; 2) ABe. ER Oni 3) ABC, D my imk Adjacency matrix row and column sums. Suppose A is the adjacency matrix of a directed graph (see page 112 of VMLS). What are the entries of the vector A1? What are the entries of the vector AT 1? Consider the (sorted) data set {0, 0.5, 1, 14, 15}. a. Give two reasons that this data set could not be a sample from a Poisson distribution. b. As a function of x, how might you interpret (1/5){1x?... What is the compound interest if $410 is invested for 10 years at 8% compounded continuously? For this problem you will have to use excel solver and submit the solution in excel . 4. (25 points) Find the optimal integer valued solution to the following problem using excel solver: max 0.25X+0... Jessica is looking for the best deal on a set of golf clubs that has a wholesale price of $399. Help her compare the price of the golf clubs in different situations by completing the following. (a) Je... Betadine solution is a 10% povidone-iodine solution. Express this strength both fraction and as a ratio . A savings account pays 1.9% simple interest. If there is a closing balance of $11500 on May 1 and a withdrawal of $1800 is made on May 10, how much interest is earned on the account in the month of Ma... Please provide Handwritten answer. Suppose to = -1/4. What is the condition on t E [-1, 1] that will guarantee the quadrature weights for the quadrature rule based on to and to to be both positive. Ex... Retirement is a major life event that requires a lot of preparation. Many people get to retirement age and discover that they're financially unprepared for retirement. Some people have to return t... need help from 2 to 4. Problem 1 * (Remember: Practice makes perfect!) Write down the general solution and draw the phase portrait for the equation i = Ax when the eigenvalues and eigenvectors of A ar... Let S = {u, v, w, x} C R and V = span(S'). Suppose {u, v, w} is a basis for V and x is not the zero vector. Determine whether the following statements are true or false. Justify your answers. (i) [... Consider the following graph, Determine when / x >g x. Express your answer using interval notation. (2 marks) f(x) -6 -524 43 S(x) -12: -16- -20 Prove that for any two languages S and T , (ST) ∗ S = S (TS) ∗ . Use induction on the definition of the Kleene star languages. If we assume that n," and ny are mutually independent for all t, the vectors n*) are independently and identically distributed according to a bivariate normal distribution with mean 0, 0 . and co... 1- Decide whether the two fractions are equivalent by writing them in the simplest form a) 48/80 and 53/83 -Yes,these are equivalent fractions -No,These are not wequivalent fractions b) 34/10 and 68/2... MY John, Trey, and Miles want to know how many two-letter secret codes there are that don't have a repeated letter. For example, they want to count BA and AB, but they don't want to count doubles such... \\ Determinant and inverse of matrix. 1.1 Determinant and Inverse of Matrix [15pts] Given a matrix M: 6 M = 2 (a) Calculate the determinant of M in terms of r. (Calculation process is required) [4pts]... Solve this with a calculator and using the augmented matrix and in fraction form.) (15 points) Solve. (see Illustrations, # 3) A restaurant manager wants to purchase 200 sets of new dishes. One desig... Let P : V -> V be a linear map, and suppose that P< = P. Let N = null(P) and R = range(P), note that these are both subspaces of V. Set O = Iv – P, where Iv is the identity on V. a) Show that 02... how to solve the question please?. Linear Equations in One Un 23. Ryan has 4 stamp albums. Each album contains the same number of stamps. Ryan takes out 72 stamps from one of the albums and then distr... A property has been assessed at $225 000. The mill rate is 14.5. To find the property tax, you would multiply the mill rate by this is the questions. Assessment 2: Situational Analysis Directions: Please read the statements carefully and answer what is being asked afterwards, Copy and answer on a separate sheet of paper. 1. I... Consider the point P in the following diagram. Analyze this 1 diagram to show that the equation P S – P S =(n -=)> n n 2 is valid for this particular location for the point P. [5 marks]. n=2 n= 1 n... The cost in dollars of making 2: items is given by the function G (2:) : 10:1: + 700. a. The fixed cost is determined when zero items are produced. Find the fixed cost for this item. Fixed cost = $ ... It is a nonlinear optimization course. You need to find out the gradient and hessian of the f(x), which is the two-norm of a matrix. Please just do part (d), maybe write on a paper and take a pic of i... participants to judge the trustworthiness of each student photo. This was done using a 10-point scale where 1 meant very untrustworthy and 10 very trustworthy. The scores from each participant were th... No need for explanation . a. 5pts. Simplify the following expression F = A+ AB + ABC + ABCD + ABCDE b. 5pts. Draw the equivalent logic diagram You are running a simulation that is giving erratic output. Assuming you don't have access to the code but can do anything you want with the simulation's inputs and outputs, how could you determine if... Answers to some of the questions are given below so that you can check your work. 1. Assuming that the company sells all that it produces, what is the profit function? P (I) = h a – Hint: Profit = R... pls help me with this.. Question 1 (5 marks) Show your work and draw box(es) around your final answer(s). Use algebraic methods unless otherwise stated. A rectangular painting occupies 6 sq ft. A comp... True or false it is helpful to break down the income statement into smaller monthly periods to enable evaluation of seasonal patterns of cash inflows and outflows Define what is relation? 2. Define what is Function? 3. All relation is a function (True or false) 4. All function is a relation (True or false) 5. Directions: Perform the indicated operation, writ... (5) [~Ash 7.2.6] If { fn } converges uniformly on E and each fn is bounded (that is, for each fn there is a constant Mn s.t. Ifn(x) | < Mn for every x E E), show that fn are uniformly bounded on E,... The question is clear enough. It doesn't require any additional information. P ease, I would be glad if you help me with the solutions . Problem 4. (10 points) Consider the three polynomials Po(x) ... Determine the general relationship between parameters c, x & r in terms of c, for the times the height of a passenger on the ferris wheel is a height greater or equal to "c "m above grou... Please show all work!. Let X be a set and A, B C X. Prove the following are equivalent: (a) AnB = A. (b) ACB. In the first network that we analyzed, with the three resistors in series, we just added to get that they acted together like a single resistor of 10 ohms.

We can do a similar thing for parallel ci… Q65: Why the answer is C?. To obtain an FHA mortgage for $50,000 or more, the home buyer must have a down payment equal to 4 percent of the first $25,000 of the mortgage amount and 5 percent of the po… fast plzzzz mean and median. 12, 9, 12, 15, 8, 13, 17 he median and mean nu essary, round your answ 10 pts Attem 2 Day Secor Select ALL of the fractions that are greater than N H but less than 1 whole. 4/5 O 1/3 5/4 5/8 O 5/10 Models of Computation. 1. Categorize the following configurations of Conway's Game of Life (still life, oscillator, spaceship, random). In case of oscillators and spaceships give the period. 8 … ..... Pls kindly just select the right answers, no need for explanation, I'm time limited. what values of b make an exponential growth function? a b z o B b / l @ b z 1 (o < b z l () To Some 8 275X 47 /… 12:41 PM 56 . . . B. Do: LEARNING TASK NO. 8 100 points Add class comment Find the domain and range of the following rational functions. Use interval notation. Show your solution. (See attachment) Att… Giselle's borrowed $17,250 at 8.2% compounded quarterly to finance her small business. If she has made no payments and the current loan balance is $19,882.92, how long ago was the loan advanced? Can you explain how to find to answer?. Explore! Exercises 9 and 10 provide two data sets from "Graphs in Statistical Analysis," by F. J. Anscombe, the American Statistician, Vol. 27. For ea… Expand 1 fig) : (z+1)(z+3) in a Laurent series f (z) : ZOO "2—OO by evaluating an according to anz" around 2: = 0, which is valid for 1 < |2| < 3, i f(z)dz 2m; 0 25"" ' (In: wher… 5 Need Help? Read It 4. [-/1.07 Points] DETAILS LARMPMT1 6.3.024. 0/100 Submissions Used Find each quotient. (Write your answer as a proper fraction or mixed number in simplest form.) (a) 3: 14 (b) #… [-/1 Points] DETAILS AUFMODMATH1 12.6A.020. MY NOTES ASK YOUR TEACHER PRACTICE ANOTHER An experienced bricklayer can work twice as fast as an apprentice bricklayer. After the bricklayers work toge… An urn holds 10 identical balls except that 2 are white, 4 are black, and 4 are red. An experiment consists of selecting two balls in succession without replacement and observing the color of each of … Explain using five sentence paragraph the importance of annuity in your daily life GENDER REPEAT ENGL ENGGS OCPROB DROPOUT ADDSC IQ GPA 1.00 1.00 2.00 3.00 0.00 0.00 41.33 111.00 2.60 1.00 1.00 2.00 3.00 0.00 0.00 47.33 102.00 2.75 1.00 1.00 2.00 4.00 0.00 0.00 47.67 108.00 4.00 1.0… answer this and I provide some examples and the table of newton's method (pls pls follow the attachment that i gave) pls follow this!!!!. Direction. Answer the following: Finds the roots of equati… 3) This map shows the locations of the Pablo's Pizza stores in y(km) a city. When customers ring Pablo's Pizza, they are automatically transferred to their nearest store. A (5, 3) a) Construct a Voro… find the width of thevretangle with a perimeter of 90 and length of 15 Please write all the steps clearly. Thank You. . (4) Find the surface integral of F = ix sin y + 3×2 + kz cosy over a sphere of radius centered at a point (e, Te, e). Find the volume of the parallelepiped for which the given vectors are three edges. a = 4i + j + k, b = i + 5j + k, c = i+ j + 3k answwr tjis using the long method solution. c. 4. Solve the equation and indicate its linearity. (15 pts each) a. y' = x csc x – y cot x when x = 0, y = V2 3 b. y' = x – 2y Do the Following – Select at least three metrics from each of the following three categories: Hard science (physics, chemistry, or … etc), Soft science (social science, business, economy, … etc)… Calculate by hand the appropriate truth table to prove the following logical equivalence ¬(p → r) ∨ ¬(¬p ∨ q) ⇔ ¬[p → (q ∧ r)] Explain why your truth table shows that this proposition … X, Y, and Z represent three aviation fields. Y is 180 km due west of X, and Z is north (not due north) of X and Y. If Z is 170 km from Y and 121 km from X, what is the course a plane should fly from X… Please provide Handwritten answer.. Homework: Difference of Gaussian (DOG) Find the values of o and o for which the DOG is the most similar in shape to second derivative of Gaussian of o = 3. Plot the… Help solve this question and also provide details a) b) Use bubble sort to sort the list 7, 6, 9, 5, 4, showing the lists obtained at each step. Problem 2 (50 points) Hypothesis testing for uniform samples Let X1, X2, … , Xn be generated i.i.d. from the distribution Uniform(0, 0). We know that – can possibly take two values do and 6 where 61… . Director of PT. The Milky Way decided to take out a short term loan to build up the inventory. The company has current assets of $350,000 and current liabilities of $80,000. How much can the co… . Suppose a ship is sailing at a rate of 20 kmfh parallel to a straight shoreline. The ship is 8 km from shore when it passes a lighthouse at 1 pm. C] a) Let h be the distance between the lighthouse… @ Homepa X Question X Course X Course X Course X * Course x * Course X * Course X * Courset X Course | X * Homew X + X C Identify a mathematician that contributed to the development of theory of functions in Mathematics. State the contribution made and why was it so important to the field of Mathematics. 2. If a th… Anders discovered an old pay statement from 10 years ago. His monthly salary at the time was $3,400 versus his current salary of $6,030 per month. At what (equivalent) compound annual rate has his sal… Determine the center, radius, and graph of the given circles: a. (x-9) + (y+4)2 = 25 b. X + y – 4x + 5 =0 2. Det. the focus and graph of the parabola given (x+1) + (y-4)? = 0 3. A semi-circle whos… The average home uses about kilowatt-hours (kWh) of electricity per year. Appliances and refrigeration account for about % of this total. If electricity costs $ per kWh in a particular are… i need to do this question step by step all of them . In Exerc points. Graph the 3. (-2, 4) and (3, 1) es world (n) ximum val 2.9b that the gabbyw (d) Exercises SECTION 2.1 e calculate turn to our… evaluate the integral using. f(a) P. (@) dr = (-1) f()(x)(x' – 1)" dx, n =0, 1, 2, ... =1 2 n! To prove that objects of different weights fall at the same rate, Galileo dropped two objects with different weights from the Leaning Tower of Pisa in Italy. The objects hit the ground at the same tim… Note: Show complete/detailed computations (Excel, Matlab, or hand/long computation). Decimal values should be up to 4 decimal figures. . B. Determine a cubic approximation of v(t) = bo + bit + bytz +… Fibonacci sequence, golden ratio and spiral, fractal, symmetries, polytopes like polygons and polyhedra, and animal patterns like stripes, dots, and puzzling designs are some of the example that can b… help me with this. Construct the differential equation for y = A cos 2x A 4000 ft2 bed is being prepared for planting bulbs for the spring. If a 5-20-20 fertilizer product is to be applied at the rate of 4 lb/100 ft2 of garden area, how many pounds of 5-20-20 are req… Part A. Create the Requirements Traceability Matrix for your selected project: The requirements traceability matrix is an extremely important tool for the project. Requirements define customer exp… Here is the rest of the question: The cardinality of set A and the cardinality of set B represent the (Select) Addends, differences, multipliers, products ,sums) and the cardinality of set AUB represe… Question 11 (9 marks) Consider an arbitrary interval J of length 27, say, J := (t,t + 2x]. (a) Carefully show that for any real number 0, there is some integer m such that 0 + 2mm E J. (b) Deduce from… hi can you help me solve these questions. PROBLEM 1: SKETCH v(x) =x*+ 8×3+ 16×2 a) Sketch the function above by HAND and show ALL WORK! . X-intercepts . y-intercept . Degree EB. Determine the equation… (a) Find the solution to the following first-order partial differential equation by the method of characteristics. du au at "+u= 0, -00 <x<00, 1>0 ax u (0, x) = 12, -00 <x<0 (b)… complete the following table: Purchase price of product (schwinn mountain bike): $247, Down payment: $100, Amount financed: ??, Number of monthly payments: 12, Amount of monthly payments: $14.75, Tota… 4b) The second step of Christofides heuristic is to identify the set of nodes S with odd degree with respect to the minimum spanning tree, and then find the minimum cost perfect node matching, W* , … A baseball manager in the United States records the years in which a National League team wins the Baseball World Series. which answer is correct (measurement levels): nominal, ordinal, interval or ra… Norman financed the $2800 purchase price of his new washer and dryer with monthly payments at 6.4% compounded monthly made over two years. What will be the amount of each payment? Multiple Choice $116… Ashwind wants to solve recurrence relation problem involving the number of strings, a m, of all lengths. He is given the numbers in 1,2,3 and repeats are allows. The added total number of the numbers … find a global minimizer of f(x,y)=|x|+|y|+(2x+y-1)^2 Free Lotto. For several years in Massachusetts, the lottery commission would mail residents coupons for free Lotto tickets. To win the jackpot in Massachusetts, you have to correctly guess all six num… 0 in 1.046 mean. 1+ 46 ,000 1.000 1+ 40 Expanded Form 1,000 1,000 = 1+ 100 1,000 =1X1+4X- 100 + 6 X Decimal 1.046 In the Example, what does the 0 in 1.046 mean? Fill in the missing information in the … toU diso need a sheet of graph per person. PART I: Deriving Formulas and Generating Data 1. The cubes (p) used in this activity are 10 mm (1 cm) on an edge (e) As you may recall from your study of alg… Polynomial function. DETERMINE A POLYNOMIAL FUNCTION FOR A COHICH P(X)20 FOR XE (-00-) 6 "OP (X) <O FOR * = (-4, 0) U (0, +00) cil) p (- 2) =-20 (ASSUME THE LOWEST POSSIBLE DEGREE) Let Σ = {a, b, c}. Give a PDA that recognizes language { a^i b^j c^k | 2 * (i + j) = k } write the PDA in this form: start_state: "q" accepted_states: [q4] edges: – src: q dst: q1 push: $ – src: q1 d… Please provide Handwritten answer. 1. Suppose a harmonic function p satisfies Neumann boundary condition in a disk with radius r. Find the Poisson kernel and the expression formula for the solution wh… What two (2) equal payments at the end of 15 months and 3 years , respectively, will replace the following obligations at 12% compounded quarterly. O1: P 5,000 due at the end of 1 year without… 2 of 2 and define the function f on the interval [a, b] by 1, if c = c f(x) = 0, if a * c, for some point c E [a, b]. i) Suppose that a < c < b. Prove that f is integrable on [a, b]. Hint choose… An architectual firm received a loan of $5,400 at 4.60% compounded semi-annually to purchase a camera. If they settled the loan in 3 years by making quarterly payments, construct the amortization sche… A group of people were asked if they had run a red light in the last year. 255 responded "yes", and 378 responded "no". Find the probability that if a person is chosen at random, they have run a re… can u help me to answer this questions?. Task 2. Below are squares formed by matchsticks. Count the number of matchsticks In each figure and record the results in a table. Number of squares Number of … Exercise B. Look at the bifurcation diagram of the lac operon on p. 159. Draw the phase portraits for the two bifurcations (ie. for the two values of r for which a bifurcation occurs). What type of eq… A group of students is organizing a World Cuisine Festival The total cos t for the food and other expenses for the festival is Php 18 , 000.00 The entrance ticket to the festival c… Construct a truth table for the statement (p ∧ q)V~ r Tuesday: 165kg, Wednesday: 181.5kg, Thursday:199.65kg, Friday 219.615kg QUESTION 6 (a) The first few Chebyshev polynomials are To = 1 Ti=r T2 = 2×2 – 1 Ta(x) = 4r + 3x Ti(x) = 8×4 – 8×2 + 1. (i) What is the purpose of economizing a power series? (ii) Find the Chebyshev se… can you help with this. it's very easy to do just don't have the time for it thx. Budgeting Box 4 – LIVING EXPENSES KEY CONCEPTS You can expect to have different levels of income and expenses at diffe… Consider a counting process, N(t), which counts the number of times a particular component is replaced. The lifetime of the component has a CDF F(t) =1- 191 – (a) Determine the Laplace-Stieltjes Tr… pls help me. (1) 5 is the square root of 25 (2) 5 is less than 10 (3) 5 is a prime number Sir, I am stuck on this question Sir, it's a humble request please step by step and double-check if I put even a single point wrong they consider wrong. (2 points) A company produces two goods, whos… how would i answer this question?. Use the pair of functions to find f (g (x)) and g (f (x)). Simplify your answers. f (a) = Vax+ 8, g(ac) = 22+1 sin (a) OO ? f (g (x)) = sin (a) OC III ? 9 (f (ac) ... In Lab-4, you used a noisy image avantika. tif. The spectrum analysis in Lab-4 showed that the rectangular grid noise is due to the 4 peaks in the mid-frequency region of the power spectrum. It is … During a hanging hip flexion (see below pic) exercise I (150 lbs) hold my legs (35 in) steady at an angle of 90 deg with respect to the vertical. I also have a 5lb ankle weight on each ankle 31 in… This problem introduces us to the notion of a cumulative distribution function and gives an application. The cumulative distribution function of a random variable X is the function F defined by F(x) :... a) Given a matrix A = 1 4 , find an analytical expression of A". Show your work. (You are allowed to use a computer to help you compute the eigenvalues/vectors for this part) b) Consider the foll… Please help. Name: Group : Score : 1 -8 . -5, -2, 1.... 2. 28 , 19, 10, 1,. . . 3. -2.4.- 6,8.... 4. 2.5, 3.0, 3.5. 4.0. ... 5. 9.7. 7.4, 6.7, 5,... A. Give the next three terms of the following arith... What are all the elements of P(P({1}))? Clearly explain how you know that you have found all of these elements. any thoughts???. -26 Linear Exponential Neither (Circle one) Explanation: A company has four customers, labeled A, B, C, D. On a grid, customer A is located at (1, 0), customer B at (−1, 0), customer C at (0, 1), and customer D at (0, 1/1.732) . Customers A and B have to … college mathematics. Find the area of the following rectangle. Write your answer in simplest form. Be sure to include the correct unit in your answer. 5 yd 12 5 – yd 3 Given the following matrix: 3 1 A = 2 21 1 2 -1 The most dominant eigenvalue of A is 2 =3.716996 . Find the least dominant eigenvalue and its corresponding eigenvector using the shifted Power Metho… For the data sets in Problems 1-4, construct a divided difference table. What conclusions can you make about the data? Would you use a low-order polynomial as an empirical model? If so, what order? 1.... Cameron is saving for his retirement 24 years from now by setting up a savings plan. He set up a savings plan wherein he will deposit $150.00 at the end of each month for the next 11 years. Interest i… Chang is in charge of planning a reception for 3400 people. He is trying to decide which snacks to buy. He has asked a random sample of people who are coming to the reception what their favorite sn… 11.) (Integral geometry) In the center of a square with side length a> 5 is a square with side length 1. Randomly increase the center of a unit circle in a uniform distribution at some point in the… Kaori writes a sequence with the property that after the first two terms in the sequence, each term is equal to one more than the term before it, minus the term before that. In other words, tn = 1 + t… E Test: Test#… Question 11 of 26 This question: 1 point(s) possible Submit t Determine a spanning tree for the graph to the right. Which of the following is a spanning tree for the given graph? O A.... Mich deposits Php5,000 every 3 months for 10 years in an account that offers 0.2% annual interest compounded quarterly. How much will she have in 10 years? * Php180,861.14 Php201,962.41 O Php197,964.2… IV.Word Problems 1. A recipe calls for 1 lb. 1 oz. of sauce A, 1 lb. 7 oz of sugar, 6 oz. of cake flour, 4 oz. of bread flour, 3 oz. of chopped cashew nuts, and 10 oz. of egg whites. a. Calculate th… se desea construir una piscina formada por un conjunto de prismas rectos ,donde la curva EF corresponde a una semicircuferencia A) Exprese el Área de su base (piso) de la piscina en terminos x B) I… Calculations Involving Units, mcg/mg and Other Measurement of Potency 1. A hospital pharmacy has available 2-mL prefilled syringes containing 80 mg of tobramycin and 1.5-mL prefilled syringes containi… Make up a word problem or situation where one object (or collection, or quantity) is both 5 of 13. something and ; of something else. Eli buys a new sofa priced at $800. The salesperson says he can pay $800 now or finance the $800, compounded monthly for one year and pay $950 when the year is over. What is the annual interest rate t… Please provide Handwritten answer. Q8: Determine the "suitable" transformation steps put the Piece above the base. Then calculate their transformation matrix P(1.5,1,0) Q(4.1,4) Show the solution and the final answer. Use Operations and Composition of Function.. Let g (x) – x 2 – 1 q (x) = JXH Question 7 10 pts Two harmonic sound waves reach an observer simultaneously. The observer hears the sound intensity rise and fall with a time of 0.41 s between the maximum intensity and the succeeding… . Problem 2 (20 marks) Let B = {0, 1} and consider the function f : 1N —)- JB given by 1 if n > 0, fl") _ { 0 otherwise. (a) Show that for all a, b E N: (i) fir-I + b) = max{f(fl);f(b)} … please help assignment 3 number 21. Add the given mini-IEEE floating point numbers and represent the result in mini-IEEE format (renormalize if necessary) 1 0111 11001 + 0 1011 11110 Result: Sign … i need your help i do not know this. Natalie and Phil are running for 6" grade class president, Natalle receives 16 votes, and Hill Which statement is true? O For every vote Phil received, Natali… Please help me out with this. I am stuck. Thank you. This is for Discrete Structures. . Question 16 10 pts For the binary relation p = {(0, 0), (1, 1), (2, 2), (4, 4), (6, 6), (0, 1), (1, 2), (2, 4)… help me naswer this thank you so much god bless advance merry christmas. Mathematics 10 # 8 500 Name: Section: Score: Direction: Answer the following questions/problems. Write the letter which corresp… please no copy by the answer" photons, referred to as the screen space….." .It is wrong… (4.) An observer (coordinate system) with 4-velocity U measures the properties of a particle with 4-momentu… suppose two parties A and B want to establish a shared secret key using the Diffie—Hellman key exchange algorithm. First, suppose A and B agreed that the modulus p = 331 {a prime number} and a pri… Convert the number from binary form to hexadecimal form. 1110101111two 1110101111two =|:|sixteen simply 3{[3(9 – 2) +[7(8 – 1)]}. 2. Simplify 3{[3(9 – 2)] + [7(8 – 1)]} 240 O 250 210 O 235 3) Group Factor the following expressions. (6 marks) a) 2axy – 4ax +by2 – 2by b) xy+12+4x+3y c) 5m 1-10m] +13 -21 Sir i am stuck for this question . The only units in the polynomial ring Q[x] are 1 and -1. In a domain the product of two irreducible elements is always irreducible. 1 point. (1} Option 5 EXAMPLE 6.6.3 For a surface of revolution defined by al = u' cosul, x2 = u sinu2, x3 = f(ul), where f is of class C2, find the Gaussian curvature k. refer to image for question. Suppose that the economy of a small nation has an electronics industry, a steel industry, and an auto industry, with the following technology matrix. ESA 0.6 0.2 0.2 Elect… I need help. In order to accumulate enough money for a down payment on a house, a couple deposits $560 per month into an account paying 6% compounded monthly. If payments are made at the end of each p… must show work. The graph of the function f (x) =- 1 + + 12 is a transformation of the graph of the function g(x) =1 by . A vertical shift Click for List of Number units . A horizontal shift Clock for… IMAGINE AND THE EXAMPLE IS BELOW. Brief discussion of the Project Proposal Design project proposal in the coordinate plane Information about the structure of the design. HALF INCH MARGIN This proposal… Costo de distribución. Suponga que el número de horas-trabajador necesarios para distribuir nuevos directorios telefónicos a x % de casas en cierta comunidad rural está dado por la función: f(x) … Discuss the following methods in evaluating higher order determinants. 1. Pivotal Condensation Method 2. Pivotal Element Method 3. Transformation to Diagonal Determinant Please Help, number 5 and 6. 5- X1, …, Xn is a sample with distribution with exponential distri- bution Exp(0) and it is known that 0 < 2. Hence, the range of the parameter we wish to estimate is… 900 bags of onions were purchased at $2.51 per bag. The desired markup is 47% based on selling price, but 20% spoilage is expected. What should the selling price per bag be (in $ per bag)? (Round your… Consider the function 1. (2 marks) Show that f is continuous at x = 0. 2. (3 marks) Use the Limit Definition of the Derivative to explain whether or not f is differentiable at x = 0. Prove that for all n E N and all real numbers a1, . .., an E [0, 1), n n 1 – Cai < II(1 – a;). i=1 j=1 Analyse and solve the Lotka-Volterra equations with a slightly different ODE for the predator population This model is very similar to the Lotka-Volterra equations, but the prey-dependent growth r… I need all answers in full steps. 2.3 The school decides to renovate the classroom and to tile the floor of the classroom. 2.3.1 Determine the length of the classroom. (2) 2.3.2 Calculate the area of … Research one of the methods or another method of your choice for factoring trinomials of the form ax² + bx + c. State the method you are using and explain the process of factoring a trinomial in word… Please help with the following, Thank you.. Question 3 10 pts Find the smallest integer n for which (x4 + 4x)/(x + 2) is O(x"). O 1 O 2 0 3 0 4. Question 2 10 pts Prove, by finding constants c1, … Question 6 1 pts Compute the present value of an annuity in which hourly payments (8760 each year) of $0.51 are made for 3 years at an annual rate of 1.1%. Round your answer to the nearest dollar. 7 What is the benefit of the Matching Pursuit (MP) algorithm over the Orthogonal Matching Pursuit (OMP) algorithm? What is the benefit of the Orthogonal Matching Pursuit (OMP) algorithm over the Matchin… Solve this quadratic equation using the Quadratic Formula, and then simplify. Select the correct radicand (the number inside the radical) in the simplified expression. 3×2 – 16x = 55 0 4 O 2 O Not Rea… help please. Que numero de angulo representa un angulo adyacente a Z D G A? Calculate , and B. (the point estimates of the slope and intercept of the regression line), and write down the estimated regression line equation of Y on X. (5 Marks) y1 Vi 40 2.5 130 3 155 3.1 160… Hi can you help me solve these questions. YOU CAN USE ANY TOOL TO ASSIST IN YOUR SOLUTION. WHEN USING TECHNOLOGY, PLEASE DEMONSTRATE IT BY USING SCREENSHOTS AND GIVE EXPLANATIONS. The sky crane was de… Suppose p is a zero of multiplicity m of f , where f (m) is continuous on an open interval containing p. Show that the following fixed-point method has g (p) = 0 Can you please check question 29, the answer is wrong unless something else is missing complete the following table: Purchase price of product (Land cruiser): $67,900, Down payment: 47,500, Amount financed: ??, number of monthly payments: $76, Amount of monthly payments: $458, Total of … . In this question assume, for simplicity, that all functions are defined for all t e R. Diagrams may be helpful. Please feel free to use them in your solution. (a) Define the statement, "The f… I really need this answer, no explanation,thank you so much. I will support your answer!. take out a loan for $3,000. You pay back the loan with n annual payments of $900 plus a smaller final payment … Sir i am stuck for this question sir i need proper steps and explanation according to blue line Is the set of the form 0^ m 1^ n , where m < n , a CFL? Prove it. convert . calculation convert 8 q into milligram convert 0.45 into microgram convert 675 microgram into milligram convert 3000 microgram into milligram convert 29 ing into gram convert 22670 mg into… how to solve the quadratic x 2 + x + 4 = 0 , where x ∈ F 5 , F 5 = (0,1,2,3,4) Mohon bantuannya kak saya blm paham. Midbalall &.& 1. Berikut merupakan data jumlah protein yang terkandung dalam beberapa macam makanan cepat saji yang terpilih. 23 30 20 27 44 26 35 20 29 29… please assist. 5. A ball is thrown from the top of a building and lands on the ground below. The equation that best represents this toss is y = -5t- + 5t + 30 , where h is the height above the ground … Writing a Persuasive Message portfolio PROBLEM You are Cesar Gutiérrez, a claims adjuster for Statewide Insurance. Your job requires you to investigate automobile accident claims, negotiate settlemen… Consider a circle with an area size of 512 bytes, 2,000 tracks for each surface, 50 areas per track, 5 twofold sided platters, normal look for season of 10 msec. 1. What is the limit of a track in byt… Please show all work!. Let X ,Y be sets and f: X —> Y be a function. Prove the following an equivalent: (a) There exists a function g: Y —> X such that fog = Idy (h) f is surjective. ?. WeBWorkSet5: Problem 3 Previous Problem Problem List Next Problem (1 point) The figure below shows a function g(x) and its tangent line at the point B = (4.2, 8.4). If the point A on the tangent li… Please provide Handwritten answer. 10. Find the travelling wave solution of the the partial differential equation [5 marks] Ou 2 at2 + Please provide Handwritten answer Part A. Use the first central difference method to calculate the thigh angular acceleration in frame 22. Equation Sheet Central Difference Method Vi = (Xi+1 – Xi-1)/2… A man (call him person 1) owns a valuable painting. He wants to sell the painting to an art dealer who will pay R90 000. Two friends (persons 2 and 3) who know more about the art market offer to help … Lesson Planning. Watch the virtual lesson entitled Year 4 Singapore Maths Model Lesson: Measuring Area | Maths — No Problem! video link: After viewing the video clip, co… Only I'm expert in maths Ask any question in maths I will clarify it . After studying these examples, post a sample problem of s reel—mud situation that can be modeled using composite timotions. Include a mu solution for your problem. Look at the normal curve below, and find u, u + o, and a. 51 X H+ 0 = 53 X 2 87 89 91 93 On an 2n by 2n chess board, someone places pebbles on the squares of the board so that there are n pebbles in each row and each column. Prove that there exist 2n pebbles such that no two pebbles sit o… refer to image for question. The following problem refers to a closed Leontief model. Suppose the technology matrix for a closed model of a simple economy is given by matrix A. Find the gross producti… Need some university mathematics application ideas, 2-3 paragraphs are enough, the best is how to bring applied mathematics into real life Please help me with the below theorem with clear proof solving step by step will be really appreciated… Theorem. Suppose a code C has minimum distance d. Then C can be used to….. (1) detect up to … Please compute all parts of this question. 2. Compute the following values: (a) (2en/4i) + 3et/3i (c) (3eT/52) x (2e72) (b) (4emi) – 2ellw/6i (d) (4en/4i) / (6eT /6i) I'm unaware of some concepts. Please accept. JASPAL SANDHU 8. Simplify 14. Factor the Greatest Common Factor from a polynomial in the following questions. 50 a. 8p + 32p + 48 8(p' + 4p + 6) b. -16t2 +… Solve using algebra. a) 2x-3 = 32 b) 5(10)*+3 = 5000 C) 33x+4 = gx+1 d) 16*+1 = 83x-2 e) 25* = 125*-5 Create the following program exercises. Program #1: Write a function that asks the user to enter a positive number. If the user enters anything that is not requested, they must be informed of the erro… Evaluate the following derivatives, y= (cos(3t))/(1+t^(3)) complex analysis, Thank you.. Problem1. sin z dz (#) Solve that Problem 2. f(z)=-2z+5, | z) < 2 , find minimum and maximum values about | f(z) | 1 1. A certain radioactive isotope has a half life of 5 years. If a sample has 120 grams of radioactive material, what equation could be used to determine the amount of material remaining (y) after x … . Sugar content: A broth used to manufacture a pharmeceuticals product has its sugar content, in milligrams per milliliter, measured several times on each of three successive days. Can you conclud… I would appreciate it if sir/madam could help me with understanding this question immediately. thank you in advanced ! reciprocal transformation w=1/z, Find the image of Problem 1,2 Problem 1. Problem 2 . c) Calculate the standard deviation of the total medals awarded to each country (column F) using the formula below. Show all the steps (full working). E (x – ul) N You can use the STDEV.P function to… Need clearlt typed answer step by step in word or excal document. Please mark the answer. Thx. 65. The length of songs in a collector's iTunes album collection is uniformly distributed from two to 3.5… Sir i am stuck for this question . Task 1 The equation of catenary is given by the following second order differential equation: y"=5 x = 0, y = 100.2 x =100.1, y =100.1 Solve the above differen… Please answer at least question 1, and anything else you are able to. Seriously what is the problemjQuery22400485400657006422155_1632077726407???? What requires edit?? asap. 3) Solve the following PDE: dxi otz ' – DO < x 5 00, :20 subject to the conditions: u(x, 0) = cos(ITX), (,0) =1-x' 11, Find the equation of the vertical, horizontal asymptotes or holes for each function, (2, 3 marks) a) f x= – 4 x-36 x -2x -15 b) fix – 2x – 7 x -4 X – 16 (20 Points) Consider the time series Xt = Bt2 + Et, where 3 is a known constants (3 0) and et is a white noise series with mean zero and variance o'. (a) Is Xt stationary? Show your argument. (b) Is V… A lawyer out of law school can expect to make $US151,771 per year in the US. Assuming that lawyers work 40 hours per week and 52 weeks per year, what is the equivalent salary in Canadian dollars per… Complete the following MRP inventory record: (Fill in the blanks) Item X LT = 1 Week: 1 2 3 4 5 6 Gross requirement 390 420 440 Scheduled receipts 150 Projected on-… Physician ordered 0.75 g of sulfa. Lubel reads 250 mg per tablet. How many tablets would you administer? round the the nearest cent. Calculate the annual interest that you will receive on the described bond A $1000 Treasury bond with a current yield of 4 2% that is quoted at 106 points The annual interes… Consider the following MRP inventory records for two items: Suppose that 4 units of item X is needed for each unit of A and 1 units of item X is needed for the production of each unit of item B.… Apps Cash Paid jobs in 3… 3 Login – CVS Health 3 Home – CVS Health M Essa 7. [0/1 Points] DETAILS PREVIOUS ANSWERS HARMA Solve the equation. (Give an exact answer. Do not round.) 10 X Need Help? Rea… Please! :). Show Intro / Instructions It takes Josh 15 hours to rake the front lawn while his brother, Blake, can rake the lawn in 12 hours. How long will it take them to take the lawn working togethe… Given the following information, answer the ensuing. • Cost C(q) = -10q2 + 200q • Price P(q) = – q2 – 3q + 249 • Quantity q and revenue R = (P(q))(q) ≥ 0 8.1 Price and quant… ACTIVITY 1. Calculate the fair market value of a cash flow stream that includes an annuity. Write your answer in a separate answer sheet. 1. Mr. Silva received two offers on a lot that he wants to sel… Pls kindly just select the right answers, no need for explanation I'm time limited. make this Negative exponent positives 9 – 3 93 (6) 1 19 3 () 1/ 9 3 (@) 7 29 write in exponential form 3/5 (b) 4… . Exercise 3.25. Show that the sequence {sinn }nEN does not converge. For a student project, a student wanted to study if there is a significant difference in the number of deaths by 11 different types of death (heart disease, cancer, COVID-19, uninetional injuries, str… (i) Consider the periodic square wave x(t) shown below: 10 Determine the Trigonometric Fourier series representation of x (t). (ii) Bring out the concept of Gibb's phenomenon with suitable examples a… how do you solve this. Directions: Solve the following problems with the use of Polya's four-step problem solving procedures similar on the presentation on this topic. 1. The sum of three consecutive … Q3. Compute the discontinuity of the following functions f (z) = (z – 1) 1/n 1 . f+ AAAAAN where n is positive integer . I . f – Disc [f (z)] = f – f- 2 . 9 (2) = (2+ 1) 12 (2- 2)'3 .9. Disc [… preview answer Remaining time: 93:35 (min:s Problem 2. (4 points) Suppose that the trace of a 2 x 2 matrix A is tr(A) = -1, and the determinant is det(A) = -72. Find the eigenvalues of A. smaller eige… – Using a world population predictor, show population growth and decay over 50-100 years of two different countries in the world (one growth and one decay) – Using an exponential model, write an equat… the second 2 pictures are pages 640-641 from the textbook for Item 1. That's all the info we were given for the project. MAT217 Project 1 GREEN APPLE To: Business Analysis From: Tony the Wildebeest,… How much will Joshua pay in interest overall on a $425,000 house if he makes monthly payments at an APR of 3.5% compounded monthly for 15 years? 2. Cynthia's retirement goal was $400,000, which … Demand, d, in Period1: Demand, d, in Period 2: Demand, d, in Period 3: Demand, d, in Period 4: 90 130 180 200 Period 1: Period 2: Period 3: Period 4: al: a2: a3: b1: b2: b3: P: Optimal objective: 3) (10 points) When we multiply 0.23 x 1.7 we first multiply as if the decimal points were not there: 1.7 x0.23 51 340 391 and then we place the decimal point in the answer 391. a) How could a student… could you please help me with this and explain why?. 7. (a) For each x E (Z/7Z) , find the least positive integer n such that x" = [1]. You do not need to show your working in this question. Please Help. 4- Let X, Y be rv's with joint density fxy (x, y) = C(x +y) for 0 <y< x < 1 and = 0 otherwise. (a) Determine the constant C so that this defines a joint pdf. (b) Compute the marg… Need desperate help!. Payroll Portfolio 1. At the Jackson Concrete Company, the regular work week is 40 hours. If an employee works more than 40 hours per week they are eligible to receive overtime pa… Interpret the following data. 1.Nora's score in a 50-item quiz in statistics is found on the 3rd quartile. 2.If Nora's score in problem no. 1 is the passing score, what does this mean? 3.In a PRC exam… Please show all work!. Let X, Y be sets with A, B C X and C, D C Y. Prove the following are equivalent: (a) AXCCB XD (b) A C B and C C D. The following question is number 2 in a series. I have included the first question of the series with answer for context.. 2. Assuming the following values for accuracy, determine the overall accuracy… Sir, i need this blue line explanation step by step. Module 2.3 Consider the following graph. a. Identify the x values at which there are discontinuities. There are discontinuities at x = -1, 0, 1; b…. Annie bought one dozen smartphone for P200,000.00 with a discount of 5%.She sold half dozen at a price of P18,000.00 per uni. however, a new model of smartphone became available in the market, so she … Hello can anyone help me solve the following problem please help. Irfan menyimpan sejumlah RM12 000 ke dalam sebuah akaun simpanan tetap dengan kadar faedah 3.5% setahun yang dikompaun setiap suku tahun. Hitung jumlah simpanan Irfan selepas 5 tahun. A. … ar requires 61 litres of gasoline to travel for 726 kilometers. At the same rate of gasoline consumption, how far can the car travel if the gas tank holds 53 litres? . . . . . e car can travel | kilom… Look for a circumstance in your life that requires integration (probably falling bodies or optimization, or separable differential equations). Design the problem, collect measurements, solve the pr… Please show all work!. Let X be a set and A C X. Prove the following set equalities: (a) And= 0. (b) AUO = A. The average size of a farm in the United States increased from 100 acres in 1920 to 700 acres in 1980. Let y be the average size x years after 1900. In what year was the average size 600 acres? if $1 had been place in a bank account in the year 1066 , how much would be in the account at the end of 2026 if the money earned 2% interest compounded semiannually? i want to get answers. Activity 5 Directions: Following the procedure in calculating standard deviation, compute the standard deviation of the data set in the box. Likewise, give the median and the mo… Danilo and his wife operate a restaurant where they sell all their meals for $15.00 each. The markup on each meal is $4.50 and overhead expenses are 19.00% of cost. a. How much does it cost them to… Let F = ri + yj + 2k be the position vector field. Let S be an arbitrary smooth closed surface and let n be the outward unit normal vector field on S. Show that it is not possible for F to be orthogon… P(red) 15 3. A magician asks you to think of a number from 1-10 and flip a coin. What is th cian will guess the number you chose and the side the coin lands on? Plz help with this applied math question. (c) How do you think the optimum values of the two IPs you presented in (a) and (b) compare to each other? (Hint: Don't actually solve the two IPs.) How many milligrams of doxapram should be administered to a 7 lb cat, if the dose range is 1-5 mg/kg IV and the concentration on the bottle is 20 mg/ml? A)9.5 B)0.59 C)21 D)0.21 A cat that weighs 5 kg… Sir i am stuck for this question . Part 2. (Up to 4 points) Explain in your own words what each parameter A, B, w, and is in the sinusoidal model: f(t) = Asin(wt – $) + B – Your description should in… b) Consider the following optimization problem: min 5×1+5×2 s.t x1+x2>2 2×1 – x2 20 x1,x2 20 Using complementary slack, determine if x = (2/3, 4/3) is optimal. please help me to my activities 1 about the genetal mathematics. Learning Module for General Ma ACTIVITIES Activity 1. Given the following expression, decide whether each is a rati function, a rationa… Hi, can someone explain questions 3 and 4 please. Thank you Investigation: Bulgarian Solitaire Take some coins and arrange them into piles. You may make any number of piles and have any number of coin… As part of your senior thesis project, you invented a new symmetry operation: a C n rotation followed by an inversion. (a) Using matrix algebra, construct the 3 × 3 matrix that describes this opera… The hours of sleep that citizens get on a typical night is shown in the table to the right. A researcher in sleep deprivation finds that the average human needs at least six hours a night to function … Question 13 (1 point) How much principal will be repaid during the first year of end-of-month payments of $640 on a $27,000 loan at 9% compounded monthly? $3,986.66 $5,472.07 $2,005.36 $3,635.45 $6,12… Which of the following constraints are or constraint is monetonic (v is a real number)? I sum(profit) > v II average(profit) > v Introduction (this section does not require a heading). Research Question. Null and Alternative Hypotheses. Specify the alpha level. Identify the Critical Region. Compute the t statistic using 10 scor… Consider the system = dt dy = ity (a) Show that the only equilibrium solution is (0, 0). (b) Show that the linearization at the origin gives no conclusion about the stability of this equilibrium solut… Use a tree to model the parent-child relationships in the following family. Paloma has three children: Shelly, Lulu, and Kerry. Shelly has one child, Donna. Lulu has one child, Bertie. Kerry has one c… QUESTION 1 You have a down payment of $9,000 saved up to purchase a new car. If you are approved for a 5 year loan by making payments of $664.82 at the end of every month at 2.4% compounded monthly, t… choose the correct written expression for: (9 x 4) ÷ 6.. 2. Choose the correct written expression for: (9 x 4) = 6. 9 times 4 divided by 6 O d. the product of 9 and 4 divided by 6 6 divided by the pr… Every angle can be trisected using a compass and marked straightedge. The following construction is due to Archimedes. Assume the compass has two marks on it, a distance r apart. Let _ BAC be an an… Let A, B E R such that both are Lebesgue measurable sets with B = 0. Show that |A x B| = 0 = |A| |B), where "

solve. 4) If the total revenue function for a computer is R(x) = 45x + 3x’ – x* a) Find the level of sales, x, that maximizes revenue. b) What is the maximum revenue in dollars? The assumptions are satisfied: It is a simple random sample The sample size is _____so it is more than the required number 30. 2. State the null hypothesis H 0 : μ = 3.15 State alternative hy… (6 points) Suppose K = 28 – 53 – 11, L = 24 – 5 . 115 . 23. Find the following. a. LCM (K, L) in factored form = b. GCF (K, L) in factored form = c. Number of factors of L = route. 7. (5 points) Find an optimal Route inspection route starting at vertex A. Compute the length of this E 70 70 B 50 F 50 50 60 60 A 50 H D 120 50 70 70 C 70 G The three cities that you choose to visit (one in Europe, one in Africa, and one in Asia) will most likely form a triangle. Do some research to find the distances between your cities, and calcul… Problem #16: Consider the following Klein-Gordon equation [2 marks] azu at 2×2 + 64u = 0, xER, 1> 0, subject to the initial condition u(x,0) = f(x) = 1+ 812: 4,(x, 0) = 0. (a) Find the Fourier tran… The following table shows the distance between houses (nodes) that Tim’s Cable Company needs to connect. From Node To Node Distance 1 2 120 2 3 100 1 3 200 2 4 150 2 5 120 3 5 90 4 5 170 Question 1: … Consider the following model: X’ = aX + by Y’ = cXY + d Let’s identify the state variables and parameters of this model. State variables: X, Y, d Parameters: a, b, c State variables: X, Y Parameters: … Given the graph f (x) = =x – 5, the inverse function of f (x) can be written as f-1(x) = ax + b. The value of a and b respectively are and translate a statement such as ‘The sum of twice a number and 6 is equal to the difference of the number and 9’, write an equation using the definitions of the terms used. For example, sum means to … Question 2 1 pt Find the present value annuity factor for a 11-year annuity whose annual rate is 5.6% with daily compounding. Round your answer to the nearest thousandth place (3 digits after the deci… A gardener plants flowers in a 50f t × 50f t field by throwing a bag of flower seeds randomly over the field, hoping to attract bees. A bee is attracted to flowers if there are at least 3 that are wi… Consider a dataset {(x1, y1), (x2, y2), where x1 = (1, 0), y1 = 1, x2 = (-1, 0), 92 = -1. a) What is the optimal solution w*, b* to the following optimization problem? You may do this by inspection. m… 2 44k – 20k 3 2 4 20k 3 40k – 4k – 11 44k 40k 4k 11 = 4k 4K 4k 4k 4k 4k Knowledge and understanding 1. Solve for x: (2 Marks) sin(60) sin(20) 40 2. Find X: (1 mark) x2 = 42 + 32 – 2(4)(3) cos (60) Please see attachment and provide written explanation so I can understand how calculations were done.. 1. The construction manager for Acme Construction, Inc., must decide whether to build single fami… A woman has $50,000 to invest. She has decided to invest all of it by purchasing some shares of stock in each of three companies: a fast-food chain that sells for $50 per share and has an expected gro… Explain in a few sentences what it means to operationalize variables . 2. Create a 7×8 (seven by eight) table. Include this table in your paper. Which VARS are in the ROWS (Y axis) and which VARS… Consider again the Examination Data used in Exercise 3.3 and given in Table 3.10: (a) For each of the three models, draw the P-R plot. Identify all unusual observations (by number) and classify as out… this is confusing I have tried 4 times and still got it wrong . Quiz: 10.5 Chapter 10 homework x y! A rocket is launched at an angle X| |Course Hero x E Decimal Degrees to Degrees Min x C Cheg… Which of the following algebraic expressions should be used to model the sentence below? The sum of three consecutive odd integers, if x + 1 is the first odd integer. Ox+1+x+3+x+5 Ox+1 +x+2+X+3 Ox +x+… It may be shown that sin () lim = 1. I-+0 Using this fact, find a) lim-+0 sin(x), limz-+0 cos(x) cos(T) – 1 b) lim, +0 sin (3x) c) lim z-+0 sin(5x) sin(a) + 3×2 d) lim z-40 1 – cos(I) Note: You may us… please provide explanation. 9. Define f : R – R as f (ac) = Jo, if x EQ x, if TER – Q. (a) Calculate the upper and lower Darboux integrals for f on an interval [a, b], where 0 < a < b. Is f inte… Will targets be used and if so, where will they be positioned in terms of discrete distance from the shooter (eg. 15m, 25m, 300m and 800m)? Do not provide a range of distance (eg. spanning the operati… TRY Solve the system of the equation is AB where A is the free term: matrix of the system and B is column free. A= ; B= A ; B SYTEM OF LINER EUQATION. ; B= A= ; B= . 17. 1 1…. Realizar 3(11x -3)(x -7) +12 = (x-8)(x-7) +32x 2 -7x +20 2. 3. Resolver por sustitución 7x + y =120 … sir i am stuck for this question. 2. (4 MARKS) Let d = (2, -1, 1) and b = (1, 1, 2). Find | 6 – proj- 6’ll. (a) (b) 10 109 (c) 3V2 (d) 2v3 (e) None of these a b C d e Specifically using the keyhole method since this is a fractional exponent. . Evaluate dx, where 0 < a < 1 and a > 0, using the residue theorem. 0 (x + a) 3 Complex Numbers, Polar Forms, Roots, Planar sets. The following 5 problems -. 1. Solve the system of equations and write your answer in the form z1 = a1 + bli, z2 = a2 + bai, where a1, a2, b1, b2 E R:… MA 161 discrete mathematics. What is the decimal expansion of the integer that has (CD): as its hexadecimal expansion? Detailed explanation please and thank you.. Find the conditions on a and b such that the matrix (£1) E"), is symmetric and strictly diagonally dominant Solve each equation using the cancellation property of multiplication Please provide Handwritten answer. Consider missing information from your side.please provide the answer I’ll give instant thumbs-up. Problem 1 (10 points): Derive a closed-form solution to the optima… _ Downloads X 293124072_Linear_Relation X 5293124071_Linear_Relation X 5 293124075_Linear_Relation X 5293124083_Linear_Relation X Untitled.notebook X C . File | C:/Users/khadi/Downloads/293124086_Line… Write down a general Bezier curve of order 4 in parametric form. How many control points does it have? Week 4 – ALEKS Assessment 1 Question 9 of 20 (5 points) | Question Attempt: 1 of 1 Time Remaining: 3:10:56 spent. Three gardeners trimmed bushes in a large courtyard. The table below shows the number … A triangle has base whose expression 2: + 1 and height 4: – 3. A rectangle has length of Ex — 1 and width of 3x + 5. Determine an expression tn represent the difference between the areas of thI’t… . Let V be the set of all ordered pairs of real numbers, and consider the following addition and scalar multiplication op erations on u = (#1 , #2) and v = (v1, U2): utv= (#, + u + 1, #2 + 2 + 1), ku … Order: 0.5g of Risperdal TID Available: 125mg tablets How many tablets will the nurse administer in 24 hours.? Consider a passenger aircraft whose attitude relative to an inertial reference frame is described by the 3-2-1 Euler angle sequence Fi 2. where 19, w and d: are the aircraft’s yaw, pitch, and roll a… Given AABC, where A(1, -3), B(2,5), and C(x, y), where x = your first initial and y = your last initial number. A=1, B=2, C=3, D=4, …, Y=25, Z=26 (There are 26 letters in the alphabet) (For examp… MAF401 8. The inequality 2x- 35- is equivalent to X a) (3x+1) (x- 2) -so x(2x -3) b) (2x-1) (x+2) (2x+ 1) (x-2) X -<1 2 c) -50 so X X Can you please help me with the figure shown in the attached screenshot?. Find AC, if possible. – 5 0 1 2 -5 1 A= C = 3 -13 0 3 -5 – 1 5 4 Select the correct choice below and, if necessary, fill in th… There is equation f(x) = x^4 − 4x^2 + 4. The problem is of computing the positive root of f(x) = 0. 1. If possible, determine starting points a, b in the bisection method that will guarantee conve… We are doing problems with regards to mathematical induction and minimum counterexample. Please can you show all the steps on how to approach the problem.. Use the method of minimum counterexample to … Fish Oil: A bottle of fish oil contains 60 soft gels, each containing 400 mg of the omega-3 fatty acid. How many total grams of the omega-3 fatty acid are in this bottle? There are grams of omega-3 fa… q1 and q2. 1. [8 marks] A function is defined as follows: In(1 + 2.c) f(2) if x > 0 8 x2 + Atana + B if a <0. If f(x) is continuous and differentiable at a – 0, find the values of A and B. 2. [1… An American company from Chicago Illinois exports some agricultural machinery to Medellin, Colombia. The Colombian buyer pays in Euros for these products. Which of the following names will appear in t… Solve the equation 92x-1 _ 27 +1 Enter the value of x. Sir i am stuck for this question . Question no 2: Find the general solution of the differential equation y" – 2y’ – 8y = 40 sin (2x) + 80e -41 Which of the following affects the accuracy of measurements? And why? A. The unit of measure B. The part of the body to be used in measurement C. The skill of the person doing the measurement D. Th… how long a tape does a police officer need to record a 2 minute confession at an operating speed of 71/2 inches per second if you bought 2,1/2 sack of mango and you gave 1,1/3 sack to your friend, how many sack of mango were left. On April 1, Hilda made a$2820 deposit to open a savings account paying3 1/2 % compounded daily. She then deposited $270on May14 and $530May23. Find the balance on June 30 and the interest earned… Topic : Matrix Multiplication Q1. Perform the indicated multiplication if possible. (Enter NONE in any unused answer blanks. If the matrices cannot be multiplied, enter NONE in each answer … Please see attached and provide explanation as I I need to understand fully the calculations to study them. 3. Cartons of Plaster of Paris are supposed to weigh exactly 32 oz. Inspectors want to devel… Question 2. Prove that [0, 1] and [-1, 1] have the same Cardinality : by finding a function and showing that it is a bijection between the sets. OR by finding functions and showing that they are injec… Hamstring curls 1. Write the following equations in the form Ax = b. Clearly identify what is A, what is x, and what is b in your answer. n1 = 3 ? n2 + 5n3 n2 = n4 ? 1000 n3 + n1 = 0 n1 + n2 … QUESTION 1 . 1 POINT There are 221 Starbucks in Indiana and the state has a population of 6.663 million. Write the Starbucks per capital as a decimal to 6 places. Provide your answer below: please give m ethe right answer. Given the following 10-digit mini-IEEE floating point representation 1 0000 01111 What is the corresponding decimal value? Note: You must give the EXACT answer. Enter … A diver steps off a 3 meter board. How fast is she going when she strikes the water, and how long does it take her to reach the water? 6000 express each number in scientific notation. GRADE & SEv EEK 7- REAL NUMBERS A. Name the sets of number belongs. Put a (/) if the r belongs to a group. Number Whole Integer Rational Number 1. … Detailed explanation please, thank you.. Determine if the mid-point method is absolutely stable In+1 = In +hf(x Vn Fyn+1, n+ 2 Where x = Xn+Xn+1 nt- 2 I order to get A student licence, a person must be 16 years old. Rowena will be 16 old in two day. The mean useful life of car batteries is 50 months. They have a standard deviation of 2. Assume the useful life of batteries is normally distributed. a. Calculate the percent of batteries with a usefu… Use mathematical induction to prove that if E1, E2, . .., En are n pairwise disjoint events in a proba- bility space (S, P), where n is a positive integer, then n n P UE; [P(E;). After heavy rain, the water level in a river is rising. At midnight, it is 40 cm above the normal level, and it rises at a rate of 6 cm each hour for the next 12 hours at midnight the water level is 4… Consider the recurrence equation T(n) = 2T(n-1) + 1 for n>1 and T(n) = 1 for n=1 First, show that Master Theorem is not applicable in this case. Then using induction, prove that T(n) is O(2n). … Here are the questions.. Computer-aided modeling and manufacturing requires precise control of spatial position along a prescribed motion path. We will illustrate the use of numerical integration to s… Suppose that an operations manager is trying to determine what forecasting method to use for the following forecasting problem. Based on the following historical data, calculate the following forecast… Please hurry up!. Question If the probability of a student taking a math class is 0.70, the probability of taking a physics class is 0.30, and the probability of taking a math class and a physics clas… Lea, Alex Nicole , and Majoy were recently elected as the new class officers (president . vice president , secretary and treasurer) of the Sunflower class. From the following clues , determine which … oh and can you show work. 1. A Garringer High School student works part-time as a cashier at Food Lion for $9.00 per hour. She earned $135 last week before taxes. How many hours did she work? Breaking it down in PEMDAS? What would that look like?. Window Help MN O 100% X . Applications | Rapididentity X Topic: Week 3 Lecture 1 Discus X – 1 Excel.pdf 36 Q Search Guided Practice Activity #1 … Sir i am stuck for this question with explanation . 8. Find real numbers x, y such that x+1+i(y -3) = 1+i. 5 + 32 9. Let z = (3+4i) (1+i) 12 15(2+4i)2 . Find z . Sir i am stuck for this question . Maximize Z=xty subject to: (x+ ay = 10 bx + y = 10 x, y 20 With a=6 and b=2 Hint: you can use the graphical method Round your answer to the second decimal. (for ins… 7 a) What is 9% of 20? b) 9 is what percent of 20? c) 9 is 20% of what number? 8 a) Convert 110110010two to base ten. b) Convert 2002base ten to base two. 5 In a certain game, a player can solve easy or hard puzzles. A player earns 30 points for solving an easy puzzle and 60 points for solving a hard puzzle. Tina solved a total of 50 puzzles playing thi… Solve the following problems using Polya’s Four-Step Problem-Solving Method. 1. A boy is 10 years older than his brother. In 4 years he will be twice as old as his brother. Find the present age of eac… business mathematics. Question 35 (1 point) Bargain Toys has just acquired the rights to merchandise the latest video game. It can purchase these games for $16. If Bargain Toys advertises the games at… Previous Page Next Page Question 5 (2 points) Simplify and express in rectangular form. 3 – V-9 – 6j Please solve the following question.. Using Matlab or Python and show the first derivative of f(x) for central difference approximation using Taylor Series expansion at 4th order error. f’ (xo) = -f(… Can you assist?. Close Date: Sun, Nov 28, 2021, 11:59 PM Question 1 of 6 Matthew purchased a $3,000 bond that was paying a coupon rate of 4.70% compounded semi-annually and had 5 more years to matu… Consider the following sets: A = {(x1,x2) E R2: Ix1| + |x2| : l}; £={xER3:OEx1£-‘C2Ex3}; r3 = {x e R2 : x2 5 (1:02}; :1) = {(x1,x2,x3) e R3: «If +x§ 5 Is} a} For each set, check if it is convex…. % of Nurses 15 10 10 245 345 44 5 545 64.5 745 84.5 245 34 5 44 5 54 5 64 5 745 84.5 O Age O Age (c) Find the probability that a British nurse selected at random in 1851 would be 60 years of age or ol… Application 1. A packaging company creates different sized cardboard boxes. The volume of a box is given by V = 50x -8x+25x -4. Determine expressions for possible dimensions of the boxes. Hint: You ne… 207 5 253.5 (b) Look at the last data value. Does it appear to be an outlier? Could this be the owner’s salary? O No, it is not an outlier, but it is likely the owner’s salary. O Yes, it is an outlier… Problem 2: A student conducted a survey about sleep and its possible effect on GPA. They randomly sampled 20 students, 10 who stated that they slept for 7 hours or more per night (the recommended am… Answer each of the following questions in at least ten relevant/meaningful sentences. OUR TOPIC IS ABOUT DIFFERENT KINDS OF PATTERN OF NATURE.. ALSO FIBONACCI SEQUENCE 1. What are the new things that … Define the binary operator ⊗⊗ by: a⊗b=a2+b+2a⊗b=a2+b+2 Simplify each of the following. Do the order of operations (do what is in parentheses first (5⊗4)⊗7=(5⊗4)⊗7= Defin… Alex invests $1,000 in his company’s stock. After a year, the value of Alex’s stock has increased to $1,250. What rate of return has Alex received? A movie screen is 12 m wide. Tanya’s seat is 16 m from one end of the screen and 14 m from the other and John’s seat is 13 m from one end of the screen and 15 m from the other. Who has a greater an… Hello, I really need your help right now and I need you to provide correct answer and solution for this one as fast as you can. Thank you! (1-5). Not yet answered Solve the rational equation Marked ou… If the objective function is C = 90x + 35 y what extreme points provides the optimal value? You are going to visit your aunt who lives 21 miles away . You have already traveled 14.7 miles. What percentage of the trip is still ahead of you? (Round to the nearest whole percentage. 26:45 1/8 QUESTION 8 . 1 POINT Jeremy invests $8, 500 into an account with a 2.4% interest rate that is compounded quarterly. How much money will be in this account after 6 years? Round your answer to… Hello can anyone help me solve the following Laplace Transform. y’+ 2y’+ 2y =f+ sint, y(0) =1, y'(0) = -2 ;use Laplace transform Prove the following. Prove that 2 n 2 n 2 + 2 n + 3 n 2 NO 3 + … +n 2n – 1\ = n n – 1 Present a mural/portrait to depict how important is Mathematics for most of the students and explain how it enhances the critical thinking of an individual. Jonathan has a die in the shape of a regular tetrahedron. He wishes to label each face of the tetrahedron with a non-negative integer so that the sum of those integers is 5. How many distinct tetrahed… Please solve 1,2,4,6 &7. EXERCISE 3.3 1. Find the zeros of the following functions graphically: (a) f(x) = x2 – 8x + 15 (b) 9(x) = 2×2 – 4x – 16 2. Solve Prob. 1 by the quadratic formula. 3. (a) F… Consider the following Federal Tax Bracket: Find the Federal Income Tax of a married couple with no children who have a combined income of $225,000. Back in the olden days, you could make money selling magazine subscriptions on commission. Suppose that you would receive 21% of your first $1,500 in sales and 14% of the balance of your sales. If i… .. The following wavefunctions represent atomic orbitals: Z 2 N/W 182 272 Y1 = re2do cose 42 = 27 r+ r2 e3do 4V2IT 81v3 do a) (30 points) For both wavefunctions, find all radial and angular nodes in r… Help Math please. What’s In REMEMBER ME As the saying goes, "A person who does not remember where he came from will never reach his destination". This saying is very popular, passing from on… Jill lived and worked in North Carolina for the entire 2013 tax year. Her adjusted gross income was $77,000 and she qualifies for the standard deduction of $3000 and exemption of $2000. Use the follow… Enquanto desfrutava de seu almoço delicioso no restaurante da universidade, um estudante encontrou uma pepita de ouro entre sua comida. Ele então foi um laboratório para determinar o valor de sua m… Consider a system of rabbits (R) and foxes (F) where the rabbits are hunted but the foxes are not. This system is modeled by the equations below. R’ = R-0.125R2 – RF – 0.1 F – RF – 2F (a) (8 points… statistical treatment statement of the problem: statistical tools: formula: meaning: justification: reference: PART C: DIAGRAMS (25 marks) 1) Complete the diagram to the right: (5 marks) Label the normal Label the incident ray Measure and label the angle of incidence Draw and label the reflected ray Measure an… Question 5: Consider the function f : R3 -> R defined as follows: f (ac) = 29 – In(21 – 202) + (202 + 23)2+ 23. Q5.a Compute the direction of the steepest descent at the point (?, -2, 2). Q5.b If w… please help me with this : – Describe all zeros of z 2 0 0 1 − 1 and say what are their orders – Find the residues of all poles of 1 / (z 2 0 0 1 − 1) – Let S be the square with vertices at?… You are saving to buy a car, and you deposit $300 at the end of each month for two years at an APR of 2.4% compounded monthly. What is the future value for this savings arrangement? That is, how much … Sir i am stuck for this question . 3. [-/1 Points] DETAILS JMODD8 5.3.004. MY NOTES ASH Find the future value of the given annuity. (Round your answer to the nearest cent.) annuity due, $135 monthly … Please clearly explain this problem with all of the steps, I am confused. Q2 Do you even Fibonacci? 5 Points Recall that the Fibonacci numbers are defined recursively as: ao = 0, a1 = 1, an+1 = an + a… I wanna know if I’m doing it right and if I can get the answers to the other parts and if you can show the work. 2.) 2, 6, 18, 54, 162, … Type of Sequence: Geometric Recursive Equation: Explicit Eq… show you work please! using the graph of g(x) below, answer the following question. . 6. Using the graph of g(x) below, answer the following questions. a. Find the lim g(x) x -at lim g(x) x – a- lim… In a veterinary waiting room, there were a total of 12 individuals, 8 of whom brought dogs, 5 brought cats. Additionally, it was noted that three brought both dogs and cats, and two individuals had ne… reclusive formula for seconds of homework after n weeks Pn= A supermarket has two girls ringing up sales at the counters. If the service time for each customeris exponential with mean 4 mins, and I people arrive in a Poisson fashion at the counter at the ra… (b) Find the value of the interquartile range (IQR). IQR = (c) Multiply the IQR by 1.5 and find the lower and upper limits. (Enter your answers to one decimal place.) lower limit upper limit (d) Are t… hello. I need help with this. Let a, b, c be integers. Prove that if ab and bc, then alc. ~ 1 hour 0/22 QUESTION 8 . 1 POINT Terry is relieved to be finished with this semester! He took a few tough classes and the grades are shown below. Using the information: A = 4 points, B = 3 points, C… After paying income taxes of 29.7%, Adriana’s annual take home income was $42,830. What is Adriana’s income before taxes are deducted? (3 marks) advanced function grade 12. K QUESTIONS # O TO A ARE MULTIPLE CHOICE F 14 A – 5 OFF f(X) IS A POLYNOMIAL FUNCTION, THEN WHICH STATEMENT 13 5 IS TRUE OF THE GRAPH OF 4= ? A) IT HAS NO X-INTERCEPTS B) … polynomial expressions or not. 14x 6. TL 5×3 – 4V2x + x 7. 3xV3 + V3x2 +9x -2014x 8. x3 – 2x + 1 x4 + 3×4+7 9. -4x-100 + 4×100 1 2 3 2×3 + 3×4 4×5 10. 1 – 16×2 istionsheet Help | Mohammad Jowkari (AD Gradebook ~ Remaining Time at the correct loops to simplify the given function in SOP (sum of products) form: To select loops that wrap around the edges of the … Savannah needs to make Christmas tree skirts. The cost of the material is $6.99 per metre. If she purchases 4.5 meters of material, how much has she spent? If each skirt uses 0.75 meters of material, … The side effects of a new drug are being tested against a placebo. A simple random sample of 565 patients yields the results below. At significance level of a=0.10, is there enough evidence to conclud… Hello, having trouble figuring these three out can someone explain this clear and easily understand to read.. This problem computes discrete logarithms. (a) Describe a Baby Step, Giant Step attack to … (a) Consider the following non-linear optimization program P : max f (x)] subject to : g (x) = 0 h(2) 20 ‘ (1) where f : Rn – R, g : Rn- Rm, and h : Rn – R* are smooth functions. Carefully state the … Let us consider the fuzzy sets 0 if, <2 I-2 A(I) = 5 if 2 < < <7 10 -I if 7 < < 10 3 0 if 10 < I 0 if, I<3 T – 3 if 3<1<4 B(x) = 1 if 4< <5 7-I if 5< 2 SIS 0… 1) (10 points) For the equation = * = = ? 4 a) Write a simple word problem for the equation (using the meaning of multiplication as we have discussed it). b) Show and explain how to solve the problem … \V” CEMCLJWATERLCOLA I The CENTRE lor EDUCATION In MATHEMATICS and COMPUTING Problem of the Week Problem D Two Equations and Tam Variables If 2:: = 33; —l— 11 and 2″ = 24{y+13’, detErmine th… is the correct Branch & box method solution in this case. Question 2 (3 marks): Consider the following mixed-integer optimization problem: in order to find solution, you wa Max Z = 5X1 + 9×2 until… 5:49 Done 26 of 30 Color Edit Edit with 2 colors Paint 3D Colors (d) Perform Tukey multiple comparison tests. (Input the mean values within the Input boxes of the first row and Input boxes of the firs… Journal 1: Read the article distributed. Record the quality factors that parents look for when considering an early childhood program for their child(ren). Article link: ﷺ i dont know what to do. What I Can Do now that you have deeper understanding of the topic, you are ready to solve my problems below. Let the students bring several round containers or lids and record … The following table is generated from the function fix} = sin x + 2×2 . fix) 0.9794 2.8415 5.4975 8.9093 Comparing 2-point forward difference, 2-point backward difference and 3-point central differen… Sir i am stuck for this question with explanation . Exercises 1. Express the following numbers in .93 + yz’ form. 1. (1 + V303 2. (—1 — o4 3. (1 + 0—8. 2. Let z1 = % and 22 = fl — 6. Find… Para f (x) = -2x* + 3x todos los puntos de inflexion son Of= 1,f= 3 3 /20 Of = 0,1= 3 3 20 Of = 0,1 /20 Of =1,1= Of=-1,r= /20 demand loan of $8000.00 is repaid by payments of $4000.00 after two years, $4000.00 after four years, and a final payment after six years. Interest is 6 % compounde… Business Mathematics Topic: Simple and Compound Interests . Directions: How long will the given principal… Incorrect Question 2 0 / 1 pts We can use the methods used in this class for finding confidence interval because all assumptions are satisfied. Namely, 1) the sample is random 2) the values in the sam… May i know how to solve the apply of integration ?Thank you so much. 5 In a gas station, petrol is pumped into a tank with a rate of " = 4t3. where Vis the volume of petrol in m’ and t is time in… During the last four years, a certain mutual fund had the following rates of return: Year Rate of Return 2014 3.9% 2015 3.7% 2016 4.7% 2017 3% At the beginning of 2014, Alice invested $2,586 in this f… GROUP C a) A fertilizer is made by blending together two ingredients Fastgrow and Greendip. Different blends produce different effects. Blend A: 4 cups of Fastgrow and 3 cups of Greendip costs shs 200… So here are three questions to answer about the relationship between these three equations. And then answer the second and third questions. 1. Polynomial functions,Polynomial equations and Polynomial … Solve Laplace’s equation on the unit square with boundary conditions: Wisconsin: u (x, 1) = sin 2 (πx) Florida: u x (1, y) = 0 Austin: u (0, y) = 0 Seattle: u (x, 0) = 0 Marcus and Jeremy both evaluated the expression -52 + 3. Marcus said the answer was -22. Jeremy said the answer was 28. Who is correct? Explain the error in the other student’s work. Problem 4 (9 points) Suppose C C R" is a convex set. Prove or disprove (eg. find a counter example) the following statement: f (m) is convex on C if and only if g(t) = f(a: + 232)) is convex for… the prime factorization of 540 is 2x2x3x3x3x5. find the total number of divisor including 1 Homework question. Next Page Page 2 of 3 Question 2 (1 point) Let a and 6 be positive real numbers and b * 1. Find a + 26 given that the exponential function f (x) = a(b) passes through the points (0… The volume of a cube of edge length x cm is given by the formula V = x3. A cube has a volume of 880 cm. What is the perimeter of one face of the cube? No decimal answers will be accepted. (2 marks) Question 2 Recall that the logistic equation is the model X’ = bX – cX2, where X is the population count of some animals; b and c are some constants greater than O. As usual, we are making the assumpt… Finite. Question 7 Find the value(s) of the function, subject to the system of inequalities. Use the graphical method Find the maximum and minimum of P= 5x – 13y subject to: O s x s 5, 0 < y s 8, 4… pl need an answer asap. The data in Table 2.15 are a sample of cholesterol levels taken from 24 hospital employees who were on a standard American diet and who agreed to adopt a vegetarian diet for 1 … Find parametric equations for the path of a particle that moves around the given circle in the manner described. x2 + (y – 2)2 = 16 (a) Once around clockwise, starting at (4, 2). x (t) = y (t) = Osts … Please provide Handwritten answer. Q1: (2+3 pts): a) Let n, = n, = nand z = 2, find n s.t P (x – y) – 2<M-M<(x-y)+ = 0.954 b) Let Y: bin(n, 0.80) and z = 2. Find n s.t P(- < 0.70) 2 0.954 calculate the Shapley-shubik power index for the weighted voting system [30:20,17,10,5] On a space shuttle mission, a certain experiment is started 2 days, 14 hours, and 30 minutes into the mission. The experiment takes 1 day, 21 hours, and 47 minutes to run. When will the experiment … An object moving at 10 km/h is brought to rest in 3 seconds. How far does it travel before stopping? 13.5. A company has a central document-copying service. Arrivals are assumed to follow the Poisson probability distribution, with a mean rate of 15 per hour. Service times are assumed to follow the ex… 15 DETAILS MY NOTES ASK YOUR TEACHER A lender requires PMI that Is 0.7% of the loan amount of $430,000. How much (In dollars) will this add to the borrower’s monthly payment? (See Example 4 In this se… An unbiased coin is tossed three times in succession; the experiment is a Bernoulli trial. What is the probability of obtaining at least 1 head? 2. Calculate the standard deviation of the following… Find the first five terms in sequences with the following nth terms. a. n 2 +3 b. 3n+1 c. 10 n -6 d. 3n-1 i dont get it. Log In Aspen Log On ment Practice : " Tools Add-ons Help Lastedit was yesterday at 501 EM Present [Background Layouts Thome Transition Question Two Paws Palace is a major dog dayc… Let f : R → R be a function defined by f (x) = 3 x − 2. Show that f is one to one and onto function. If it is invertible, find f − 1 . (6) Find (a) b− 7 . 2 c ; (b) … Applications 1-1: Discretionary and Essential Expenses Name: Date: Instructor: Complete the following questions. Once completed, upload your answers using Dropbox. You can upload multiple files… QUESTION 1: a) For a nominal rate of interest 8% convertible monthly, calculate: i) The equivalent nominal rate of interest convertible semiannually (3 Marks) ii) The equivalent nominal rate of discou… Solve itSolve it. Question 14 (3 points) Word Problem Question 1: (You must upload an image of your FULL solution to the question in eConestoga: Course Tools, Assignments, [Final Exam Submission]) Dav… Q5 (10 points) Diagonalize the matrix 1 0 A – 2 3 -1 2 In other words, you need to find a diagonal matrix D and an invertible matrix P such that A = PDP . You don’t have to compute P -! I dont understand still. Write the number 48,470,000 using the number word "million" and then round to one decimal place. million In which number is the value of the red digit ten times as great as the value of the green digit? A 622,126 B 622,126 C 622, 126 D 622,126 **Read this carefully! It has a TRICK answer choice** O A For each of the multiplication problems (a) through (c), describe a way to make the problem easy to solve mentally. Then write equations that correspond to your method of calculation. Write your eq… Give me 3 examples of implication and equivalence encountered in everyday life. (Topic: Relations on Statements, General Math 10). Interpreting logistic regression coefficients: Here is a fitted model from the Bangladesh analysis predicting whether a person with high-arsenic drinking water will switch wells, given the arsenic lev… A B C D E F G H P APR n PMT N $ 15,000.00 6% 12 5 $ 289.99 4 Table Showing Monthly Payments for Different APRs and Terms 5 Term: Number of Years (t) 6 1 2 3 5 6 7 APR 1% $ 1,256.78 $ 631.53 $ 423.12 $… Find the intersection of the circle and the line. Sketch the graph (x2 + yz = 5) y = 3x -5) 2. Find the points of intersection in the equations and sketch the graph. x’ + yz = 26 (3×2 + 25y? = 100.… President Trump purchased an option on land in Greenland to drill for oil. Preliminary studies on the land find that: P(high-grade oil) = .50 P(medium-grade oil) = .20 P(no oil) = .30 a) What is th… La probabilidad de aprobar RM es 0,6 y aprobar física es 0,8. ¿Cuál es la probabilidad de aprobar ambo cursos? (Todos aprobaron al menos un curso). on a coordinate plane ,sketch a quadrilateral object by plotting and connecting coordinates points A(-5,-1) ,B(-1,-2) ,C(-2,-5) ,D(-6,-4) Connect B to the origin and rotate the object about the origin… D Question 2 The equivalent present value at time O of a $200 cash flow located in year 10 at an annual interest rate of 6% is closest to which one answer below? O 108 O 112 O 127 O 96 D Question 3 Th… Consider a modified cost function J(x) 4 (y – Hx) TW(y – Hx) where W is symmetric positive definite. [Q1] Show that the cost is always positive and zero if an only if y = Hx. [Q2] Show that the normal… If the effective rate of interest is 4.4%, what is the nominal annual rate compounded monthly? Compounded quarterly, at what nominal annual rate of interest will $3761 become $4987 in 45 months? State… Numbers fall into several broad categories: natural numbers, integers, rational numbers, irrational numbers, and even complex numbers. How many of these categories are you familiar with? Why is it imp… Q1. (Euclidean Algorithm) Let n be any natural number and m be a positive number. Then show that there exists natural numbers q and r such that 0 ≤ r < m and n = qm + r Could someone help me with this problem? You are contemplating whether to use the $25,000 you have saved to make a down payment on a house, or invest the money in a mutual fund and continue renting lo… Set theroy. In a group, there were 115 people whose proofs of identity were being verified. Some had passports, some had voter id and some had both. If 65 had passports and 30 had both. how many had v… answer this and I provide some examples and the table of NEWTON’S method (pls pls follow the attachment that I gave) EXAMPLES!!! BISECTION METHOD NEWTON’S METHOD . Direction. Answer the follo… The setting is important to the plot because it is where the narrator- 7.7d Simplify using logarithmic laws then evaluate. Leave your final answer in fractional form. log3 (27. 81) + logs (125 . 45) Convert the fraction 6/7 from decimal to binary. Give the answer truncated to 5 bits after the radix point: Number Convert the truncated binary back to decimal and give the resulting decimal in exact … Find the following indefinite integrals [16xe (x19) dx iii) A pilot stops an airplane traveling at 200 km/h using an acceleration of -10m/s^2, how much distance will it travel before stopping? Consider the differential equation (DE), — = 1 — x. (1) The general solution to this DE is given by w(t) = 1 + ce-t, (2) where C is an arbitrary constant. (You do not have to derive this.) This… Hitung Penghasilan Kena Pajak (PKP) Keluarga Bapak Budi 2020! 2. Hitung jumlah pajak penghasilan yang harus dibayar Keluarga Bapak Budi pada tahun 2020! Three persons Mohit, Jayesh and Nandu whose salary together amounts to ₹ 54000 spend 60%, 70% and 50% of their salaries respectively. Their savings are in the ratio of 8 : 15 : 10 respectively. What… 71915 MATH B72 – Gen Math Non-BSTEM majors WA 2.4 Hmwk – Applications of Sets – Math B72: General Mathematics – 1:00 PM, section (CRN 71915), Fall ssignment Submission & Scoring ssignment Submissi… (10 marks) Consider the regularization problem min { lly – ZB||2 + 10(8) } with penalty 2(.) = 1| . ||2 for ridge regression or 2() = || . |1 for lasso. Below we have two plots (Figure 1, and Figur… Solve the following inequality and graph the solution set. |8y−5|≥ Select the correct choice below and, if necessary, fill in the answer box to complete your choice. A. The solution… Plan effective date: 1/1/93 Normal retirement benefit: $500 per month Actuarial cost method: Aggregate Actuarial assumptions: Interest: 6% Salary increases: None Retirement age: 65 Selected annuity va… The temperature on Monday is 5 C. Throughout the rest of the week the temperature goes up and down. Monday 5 C Tuesday up 4"C Wednesday down 5 C Thursday down 7"C Friday up 2 C Saturday down… en una empresa la funcion de costos totales es c(x,t)=25 x+20 xt+t´2, donde x es el número de máquinas a utilizar y t el número de horas que funcionan cada máquina. si se desea producir 64,000 un… see the attachment . Direction. Answer the following: Finds the roots of equations using required relative error dk < 0.001 1. For each of the functions listed below, do a calculation by hand (… A musical group sells hats at their concerts. After one concert, they sold 120 outof 200 white hats and 210 out of 300 black hats. A greater percentage of whichcolor hats were sold? how to work out the answer. 2 3 1 Find matrix X , if X + Y= NO and X +37= 2 (25 pts) Dofino f : [0, 1] —> R as follows: Is f continuous at 0? Justify your answer. need help on both of these questions. Solve the problem. An initial investment of $14,000 is appreciated for 4 years in an account that earns 11% interest, compounded semiannually. Find the amount of … I need help. 12. The mass of a bag of carrots is ~ kg more than the bag of carrots. What is the total mass of the bag of potatoes? 2 2 2 2 A household has $120 to spend on two goods, X and Y whose prices are 5 and 2, respectively. For all of the questions below, assume that the household must not exceed its budget but has the option of n… No entiendo ese paso. porque se dividen dos periodos ? (T’/T) ??. Page dunde (1) by Q d 9 to . 5 2 PT X 9 T g to. 5 9 T 9+0.5 2 T = T ToS 9 6 9 .8 m) Math economics. Question 3 7 pts Assume that the going rate of interest in Stingyton is 3%. However, the Fed set the current reserve requirement for banks at a mere 5%, which the banks choose not to e… Given sin X = 9 for -SXsn, and cos Y & 24 25 for nSYS 3 n 41 2 , find the exact value of tand. (4 marks) Problem 2 (15pts) A Cauchy stress tensor is given as below. Determine the three invariants, I, II and III, and solve for the principal stresses and directions of principal axes (i.e., eigenvectors). M… Find the number of skittles per capita. QUESTION 2 . 1 POINT Sister weekend had 400 skittles and 5 sisters. Find the number of skittles per capita. Provide your answer below: Content attribution The daily high temperatures for each of three 15-day periods are recorded. The dot plot below shows the daily high temperature on each of 15 days for period 1 . Daily High Temperatures for Period 1 Ke… Polya’s Strategy Use Polya’s four-step problem-solving strategy to solve the following problems. (3 items x 10 points) 1. How many different rectangles with an area of one-hundred twenty (120) squa… Question 1 A boy must decide what to wear to his matric dance. His options are: a dark or a light suit a black or a blue or a white shirt a silver or a red tie Draw a tree diagram to help you answe… note: solution for reviewer. 1. f (x) = 5, find f (10) 2. g (2) = 12% + 15, find g (-3) 3. h(x) = 27 +2, findh (3) 4. j (x) = et, find j (4) 5. k (x) – 37, find k (2) EXPONENTIAL. 1. f (x) = 3x | 2… 5} Calculate the value of i and n in the compound interest formic A = F11 + i)” for the following SHUflhM- W a} a savings account that earns 3.5% per year; compounded semi-onnmll’y for 15 years. … Question 1. (3 marks) Solve the problem of time—optimal control to

empty can weighs 109.2 grams. In doing the test for the drained weight, you pour the cont… Circle the answer that best answers the question. 1. What is the amount of $420 in 3 years at 3.5% compounded annually? a) $378.82 b) $380.09 c) $465.66 d) $467.38 2. Which type of graph has the faste… A 4-digit password is randomly generated so that each 4-digit number is equally likely to be generated. Recall that the digits are {0, 1, 2, …,9) (0 could be the first digit of the password.) Let a … As a tutor I am giving the best content to every student that they gain more knowledge . Now that you understand why multiplying a number by 10 shifts the digits 1 place to the left, C explain how we can deduce that multiplying by 10,000 shifts the digits 4 places to the left and multi… Four married couples belong to a theater club. The wives' names are Alice, Barbara, Christa, and Edith. The husbands' names are Al, Frank, Fred, and Ernest. Who is married to whom? Use the following c… Question contains 3 sets A,B,C a= 2,3,4,5,6,7……. b= B= {2,4,6,8,10,12,14,16,18,20 C={-2,-3,-4,-5,-6 a) Use the curvilinear coordinate formulas on the last page of this exam to write down the general form of V x A in spherical coordinates. Note: Clearly show how you obtain this from the curvilinear f… Thirty-two small communities in Connecticut (population near 10,000 each) gave an average of x = 139.1 reported cases of larceny per year. Assume that o is known to be 42.1 cases per year. (a) Find a … Christine purchased the newest version of a smartphone for $705.99 through a nationwide product distributor. Before making the purchase, she found an electronic coupon that allowed her to take 20% off… maths answer. Insert the missing quantity of x 6a 76 146 Story Problem. Question #8 [Maximum mark: 9] Mannie starts working as a police constable at the age of 20. He works for 40 years and retires at the age of 60. His annual salary, P(in thousands of UK … . [~Ash 7.1.3] Let fn() = ntrn, 0 < x < 1. Show that fn converges pointwise, and determine if the sequence converges uniformly on [0, 1]. During June, a local theater company recorded the given number of patrons per day. Construct a grouped frequency distribution for the data. Use six classes. Then answer the questions below: 102 116 11… Sue can shovel snow from her driveway in 30 minutes. Jim can do the same job in 65 minutes. How long would it take Sue and Jim to shovel the driveway if they worked together? b) y = -2(x – 3) 2 + 32 create a table of values and graph the relation. determine the first and second differences from the table. identify the equation of the axis of symmetry, the coordi… Please provide detailed calculations.. 50 : 4. A fully discrete whole life insurance policy with face amount 100,000 is issued to (50), The reserve basis for the policy is net reserves based on the ll… (a) Let p represent the For this problem, carry at least four digits after the decimal in your calculations. Answers may vary slightly due to rounding. In a random sample of 69 professional actors, it… TB MC Qu. 10-39 (Static) Assume the competing hypotheses take the… Assume the competing hypotheses take the following form: He: #1 – #2 = 0, HA: #1 – #2 = 0, where uj is the population mean for popu… Use a graphing calculator to graph each linear equation on the same viewing window. Use a TRACE or INTERSECT feature to find the point of intersection. y=-7/2 x+43 y=-5/7 x+4 Does it pay to ask for a raise? A national survey of heads of households showed the percentage of those who asked for a raise and the percentage who got one. According to the survey, of the men interv… need help finding the answer. The table below shows the number of baskets Javier attempted and the number of baskets he made during his first three basketball games this season. Javier's Basketball Ga… . Question 22, 11.3.18 E Homework: Assignme… HW Score: 22.78%, 22.78 of 100 points Part 1 of 2 O Points: 0 of 4 Save For the cost function below, where C is the cost of producing x units of a p… In a sample of 150 Planter's Mixed Nuts, 15 were found to be almonds. (a) Construct a 95 percent confidence interval for the true proportion of almonds. (Use a z-value taken to three decimal places… Chapter 8 – Simple Interest Applications Compute the maturity value. A twelve month, 13.51%, promissory note for $532 is issued March 4, 2011. (The dates must be answered in the following format: Janu… Are there differences in topology? Are there differences in support values? Do those correlate? Are long branches related to these differences? If we accept ML as best, how much of the tree do the oth… Provide an interpretation in which the following sentence is true: 8 1 pts (K'X) AAXE Domain: 0 R(): Submit Check () Before you leave this page, please double-check that you have submitted your answer… step by step. QUESTION 1 The grade 11 learners want to renovate the bathrooms at the school. They decide to tile the bottom half of the inside walls and to paint the top half. The back and side walls … So I need to answ3r these questions. I also need a step-by-step so I can understand it. Thank you and God bless you The questions:. KNOWLEDGE Multiple Choice -Circling the most appropriate an… what kind of math is this and how you you do it? trying to help my little sister.. 11 = 3 = wu 6 + X9/1 – = A Z – XZ/2 = K Problem Set: A (1) For the function f(x) = – x-3 4-2×2 , evaluate and simplify the following: (i) f(-1) (ii) f(2a-b) (2) The length of a rectangular floor is two metres more than twice its width. If a… Ryza has 24 marbles. Melba has 8 marbles more than Ryza. How many marbles do the two girls have in all. pls answer it. V. EVALUATION: Exponential Models! Direction: Give the exponential model of the following situations: 1. At time t = 0, 500 bacteria are in a petri dish, and this amount triples every 1… Consider the game given above. (a) How many histories are in the game? How many subgames are there? (b) How many strategies does player 1 have? (c) Solve for the subgame perfect equilibria using backw… Please provide Handwritten answer. Problem 1.Use five decimal places. Apply 0-Euler scheme for 0 = 0, 1/2 and 1 for solving initial value problems (1) when h = 0.001. Do the complete procedure to comp… This first assignment is intended to reinforce concepts covered in Learning Outcome 01 and Learning Outcome 02: • 1.1 Calculate interest rates and the number of compounding periods. • 1.2 Compute… El siguiente gráfico, muestra las utilidades obtenidas (en millones de soles) por tres fábricas rentables: A, B y C, durante los últimos 5 años. Determina en cuánto exceden las utilidades… FOR WORD PROBLEMS – REMEMBER TO LABEL WORK & WRITE THEREFORE STATEMENTS 11) Riley invests $600. In four years her investment grows to $1000. What interest rate will achieve this? From the complex analysis, thank you.. Problem.+ Find all solution of Given f(x) = log1/3(2×2 – 12x + 22) : a. Indicate the domain of f(x) [Thi /1] b. Prove that f(x) is neither odd nor even [Thi /1] c. State what possible transformation(s) should be applied to f(x)… There are six (6) key transition molecules from the transformation of glucose (6- carbon) into pyruvate (2-carbon). Eratosthenes' Sieve for Finding Primes Erostothenes, a Greek who lived more than 2200 years ago, devised the following method for identifying primes. Cross out 1 in the array of numbers shown below. b… Each year Mr. Fontanez has the chance to invest in two different no-load mutual funds: the Go-Go Fund or the Go-Slow Mutual Fund. At the end of each year, Ms. Fontanez liquidates her holdings, takes h… 5-8 GRAPHING SOLUTIONS Using (13) sketch or graph a figure (similar to Fig. 291 in Sec. 12.3) of the deflection u (x, t) of a vibrating string (length L = 1, ends fixed, c = 1) starting with initial v… (2 points) You want an estimate as to how many people will regularly visit the playground. You anticipate that 21% of the residents in the neighborhood will visit the playground at least twice a month… Let F(x, y) = x3 + xy2 + yz. with x = 1'2 and y = 21'. Find the derivative of F with respect to t. For algebraic expressions enter variables in alphabetical order, do not include spaces and use '*… A long long time ago in Bauang, La Union, there is a treasure buried by the Japanese army headed by Yamashita during the World War II. Until this day, the treasure remains unfold. Your grandfather… Suppose you would like to know how distance from home moderates the relationship between financial family support ($$ as a continuous variable) and success (GPA s a continuous variable) in college stu… How many triangle. Determine the number of triangles (of any size) in the figure. The total number of triangles is The population of rabbits on a particular island, t weeks after a virus is introduced, is modelled by: P = 121313501: ,where P is the number of rabbits and e = 2.?13… a} What is the initial populati… Elam Distributors purchases monitors for $537 each and sells each one for $782 . Overhead expenses are 18% of the cost per monitor: a) Calculate the profit the company is receiving on e… The following are the dimensions of rectangles. Which one represents the sides of a golden rectangle? a b c d 1, 0.618 1.5, 0.817 1.9, 1.304 2.1, 1.417 1.During a research project, researchers distributed a survey. Out of every 50 people, 12 people responded. What percentage of survey recipients actually responded? 2.Jerry bought a refrigerato… What symbol would make the number sentence correct 1.507 ___ 1.75 ? * 1 point < > = ≤ Write 5.07 as a fraction. * 1 point 5 7/10 5 7/100 57/100 57/1000 4.099 rounded to the nearest whole numbe… Injunction and surjection question . Can someone explain the answer given since I am not understanding it . Please view the link given to reference the question and answer . Help with the equation. we power consumption (in kilowatt) of different electrical appliances used as household is given in the table. Also contained in the table is the average and (in hours) the app… Consider the following table. x 1 2 3 4 f(x) 40 80/3 160/9 320/27 Identify whether the function is linear or exponential, and identify the equation Compare and contrast the function in (a) with … show working. There are 132 shoppers in the market, a salesperson surveys 23 people. What is the size of the population: What is the size of the sample: Given T > 0, a function f: IR – IR is called periodic with period T, if it has the property f (+ T) = f(2) for all c E R. Suppose f is periodic with period T' > 0, and lim,-+0% f(@) exists. Pro… pasagot po plss kailangan lang po. Learning Task 1. Tell whether each picture models a quadratic function or not. Justify your answer. GIVEN Answer WHY? Source: Google search/www.pinterest ph Source: … Marcy borrowed a certain amount of money for 32 months at an annual simple interest rate of 4%. If the maturity value on the loan was $3,853, what was the total amount interest she paid on t… Question Suppose X ~ N(18, 2), and x = 22. Find and interpret the z-score of the standardized normal random variable. Provide your answer below: The z-score when x=22 is The mean is This z-score tells… Tamar calculated 41 . 41 as follows: Four 4s is 16, so four 40s is 160 and forty 40s is 1600. Then forty-one 40s is another 40 added on, which is 1640. So forty-one 41s is 41 more, which is 1681. … Please solve the following:. How can I get rid of the S asian exponent on both sides? PHI. (CHHI) = (C t) Pt B How can I solve for CE (withot as an exponent) ? = 2 2 t dz. (C :) 2 Ct A cube has an edge of 5 feet. The edge is increasing at the rate of 3 feet per minute. Express the volume of the cube as a function of m, the number of minutes elapsed. Hint: Remember that the volu…

Connected Teaching and Learning. Connected Teaching and Learning from HMH brings together on-demand professional development, students' assessment data, and … 21/03/2022 · Notes for Study. Venn Diagram. Venn Diagram Worksheet Create a Venn Diagram and answer the questions for the following situations. Show all answers as fractions and percentages. Round to one decimal p… 5 An empty swimming pool can fill up in 6 hours if the drain is closed. When full, it can drain in 8 hours if the faucet is on. Custom Essay Writing Service - 24/7 Professional Care about Your Writing Get 24⁄7 customer support help when you place a homework help service order with us. We will guide you on how to place your essay help, proofreading and editing your draft – fixing the grammar, spelling, or formatting of your paper easily and cheaply. Hospital Administration-A Problem Solving Approach. Access and Utilization status of Sexual and Reproductive health services for Women with Disabilities in Chandigarh View project

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