ECO256

Question: The difference between the definite and the indefinite integral is that,___
Answer: definite integral has limits

Question: Using one of the rules of integration, an evaluation of

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Answer: \[-3e^{13x}+C\]

Answer: -3e^{13x}+C

Answer: -3e^(13x)+C

Answer: -3e^ (13x) + C

Question: If demand function is p=40-8q, the marginal revenue (MR) of the function will be ___
Answer: \[40-8q\]

Answer: 40-8q

Answer: 40 - 8q

Question: When an equation is first partially differentiated w.r.t a variable, and then partially differentiated w.r.t another variable, this case is known as ___
Answer: Crossed partial derivative

Question: When a constraint renders the 'substitution method' useless, ___ becomes effective
Answer: Lagrenga multiplier method

Question: An evaluation of the marginal expenditure of p=Q³+4Q+3 equals to ___
Answer: \[4Q^{3}+8Q+3\]

Answer: 4Q^{3}+8Q+3

Answer: 4Q^(3)+8Q+3

Answer: 4Q^(3) + 8Q + 3

Question: The marginal propensity to consume (MPC) of the equation C=1000+0.88y is ___
Answer: \[0.88\]

Answer: 0.88

Question: If the average propensity to save of a household is half, the average propensity to consume is _____

Answer: Â½

Answer: Half

Question: If MPC is 0.6, and consumption is 85, the consumption function 'C' is ___
Answer: \[0.6y+85\]

Answer: 0.6y+85

Answer: 0.6y + 85

Question: The difference between the definite and the indefinite integral is that,___
Answer: definite integral has limits

Question: Study the function F(x, y,Æ›) = ð□’‡(x, y) + Æ›[k = h(x, y)] carefully: F(x, y, Æ›) is the _____
Answer: Lagrange function

Question: ð□’‡(x, y) in the function F(x, y,Æ›) = ð□’‡(x, y) + Æ›[k = h(x, y)] is the _____
Answer: Objective function

Question: In the function F(x, y,Æ›) = ð□’‡(x, y) + Æ›[k = h(x, y)], Æ›[k = h(x, y)] is the _____
Answer: Constraint function

Question: If g = 4w³ + 10wxy³ - y² +x⁴ . With respect to â€˜xâ€™, the partial derivative of this function is_____
Answer: 10wy3 + 4x3

Answer: 10wy^3 + 4x^3

Answer: 10wy^3+4x^3

Question: If g = 4w³ + 10wxy³ - y² +x⁴, the partial derivative of the function with respect to â€˜wâ€™ is _____
Answer: 12w + 10xy3

Answer: 12w + 10xy^3

Answer: 12w+10xy^3

Question: If g = 4w³ + 10wxy³ - y² +x⁴ , with respect to â€˜yâ€™, the partial derivative is _____
Answer: 30wxy^2 â€“ 2y

Answer: 30wxy^2â€“2y

Question: When the substitution method becomes useless as a result constraint, _____ becomes effective.
Answer: Lagrange multiplier

Question: In matrix operation, any matrix of 2 by 3 order means _____
Answer: 2 rows and 3 columns

Answer: Two rows and three columns

Answer: 2 rows, 3 columns

Question: When the second derivative of any function equals zero, the _____ occurs
Answer: inflection point

Answer: point of inflection

Question: The first among the rules of differentiation is the _____
Answer: Constant rule

Answer: Constant

Question: Use Lagrange multiplier to optimize subject to x + y = 36. Therefore, The value of â€˜yâ€™ is_____
Answer: 15

Question: Use Lagrange multiplier to optimize subject to x + y = 36. Therefore, The value of x in the equation is ____
Answer: 21

Question: Use Lagrange multiplier to optimize subject to x + y = 36. Therefore, The estimated value of Æ› in the equation is_____
Answer: 276

Question: Use Lagrange multiplier to optimize <img src="@@PLUGINFILE@@/

Picture7.png" alt=""/> subject to x + y = 36. Therefore, <img src="
@@PLUGINFILE@@/Picture8.png" alt=""/> The value of q in the equation given is
_____
Answer: 5,244

Question: The Marginal Revenue (MR) of the function Q = 46 â€“ 2p is _____
Answer: 23 â€“ Q

Answer: 23â€“Q

Question: Using 23â€“Q, if Q = 6, then MR is _____
Answer: #17

Answer: N17

Question: Total Revenue (TR) value of the function Q = 46 â€“ 2p is _____ , if Q is 7..
Answer: #136.5

Answer: 136.5

Question: From the consumption function C = 2500 + 0.75Y_d, the Marginal Propensity to Consume (MPC) is _____
Answer: 0.75

Question: The Marginal Propensity to Save (MPS) is _____ given the consumption function C = 2500 + 0.75Y_d.
Answer: 0.25

Question: The value of the consumer expenditure using the function C = 2500 + 0.75Y_d is _____, if disposable income is #2500.
Answer: #4375

Answer: #4,375

Answer: #4,357.00

Question: Given the Average Cost function <img src="@@PLUGINFILE@@/Picture11.
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Answer: 5Q + 6

Answer: 5Q+6

Question: Using 5Q + 6, if Q is 4, MC value will be _____

Answer: #26

Answer: #26.00

Answer: Twenty-six naira

Question: The value of Total Cost (TC) using the function <img src="
@@PLUGINFILE@@/Picture9.png" alt=""/>is ____,if Q equals 7.
Answer: #220.50

Answer: #220.5

Answer: N220.5

Question: If MC = 70 + 90Q â€“ 30Q², and fixed cost is 100. The TC equation from the MC function is _____
Answer: 70Q + 45Q2 â€“ 10Q3 + 100

Answer: 70Q + 45Q^2 â€“ 10Q^3 + 100

Answer: 70Q+45Q^2â€“10Q^3+100

Question: The value of TC is X in absolute term when Q is 5. What is X?
Answer: #325

Answer: #325.00

Question: Identify the generalized power function rule in differentiation if <img src="

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using the rule of differentiation
Answer: <img src="
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Question: If <img src="
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Answer: 0

Question: If the dependent variable is Y and the independent variable is x, find the derivative of the equation <img src="
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Question: What is the 
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Question: Use one of the rules of differentiation to solve the equation <img src="

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Question: Given <img src="
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Answer: <img src="
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Question: Find the derivative of the equation 

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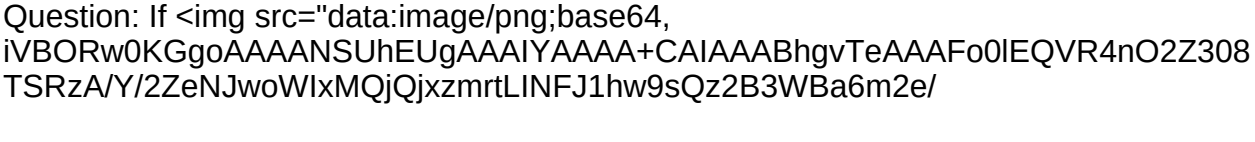
Answer: -24x

Question: The concept of Derivative is about ___
Answer: Rate of change

Question: If 

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Answer: -24x

Question: Differentiation is a primitive function in calculus
Answer: FALSE

Question: What President Obama did by tracing his origin to Kenya can be likened to ___ in calculus
Answer: Integration

Question: The concept of Integration is about
Answer: area under the curve

Question: <img src="
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Answer: primitive function

Question: <img src="
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clear="all">in the rules integration is called
Answer: Power function rule

Question: Solve the derivative function x⁶, using the rule of integration
Answer: 

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Answer: 

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Question: Identify the correct integration notation for <img src="
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Question: Use constant rule of integration, evaluate <img src="
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Question: Compute the integral function <img src="
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Answer: 165

Question: Determine the under the curve of the function 
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Answer: 100

Question: If <img src="
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gU2Xx8o8GmTVwAAAABJRU5ErkJggg A=" alt="">, where p = 4, solve the
equation to determine the functional form of the equation.
Answer: Increasing

Question: Solve to identify the nature of the function <img src="
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z = 4
Answer: Decreasing

Question: Solve equation <img src="
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Answer: Stationary

Question: When the first derivative of an economic model is zero or undefined, the model is therefore ___
Answer: Critical

Question: In an economic equation where a single variable impact the endogenous variable is called ___
Answer: a parameter function

Question: Find the partial derivative of the function, <img src="
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3DOeK7hxjzPEMT6lo4vjJ+fp8f1eKS6b9L/
sfW0VHM3oE7e5Vr6u4928a33N3Yu5bITAyyOtry5bj6w7VgYIruZhmEMfVLTMx8beqoN
1rU53VX2HqT66eEIsrZtYy+hTtt6mliHbV2YfhPqfwzoqyIsjQxxJ0ysmdbPX2HOhogKf7P
qWuZrybLPwse3eAoBl1mii44fR6XwCg+a/
u+pHtyoAKhGJ9sfH+F2nNtudrjqXggFI99qAghVIQQKkIIFSGEihBCRQihIoRQEUKoCC
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QQKkLoX3z3nzFdoNpSAAAAAElFTkSuQmCCAA==" alt="">

Question: A column matrix is also known as ___matrix
Answer: m by 1

Question: The transpose of matrix <img src="
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8aSRzA+x/Ny8ZqQmLOM008kzO5Jja9B3Opc9kG1no618VFUVRocSP1FxEJ0hDFH/
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RMMa6do6ijben1mMS/
7AELh4BiKqY3rqO3lotCxi781Bq3y9F4vDVgMWkYYx17YavB33BIi3KBN0WSu8t9pXy8
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1VLJ0LLTyppdHtmaMiv0zvmvSoxroSv2558cUmmm2eeZ+Q2tRVGiIAz5sXsAOIALS7lJ
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6RLBMskLuc0Acg9Cl4dqW8au3rqOS7AYN4ttuOaqgQjAkYlT+eVdQDinWues3P/
snzQCWHBzFXYEx52XXFgHvmaIQP8ybtiJK+/dgB7JOWYeR/ptU4w7Er/
QVNS6LHccH19sohHFLYbKP6eiEC6jz+XRdtdlOzoe7kMAWof2FZUnto+UIuyxAIgANA/
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8nmktnM3JgBaMccx7n8sgNtGdi+qi8GHVShciXkzY1xALJ0QM7L4sPb4M99pmqtoY7R
VzGP2/
x7e8osjyWPowOWPg3TW6vlNN1Oxxulwtpk+sQz8Vij5WoZrpqzj5bTRXYXmyACaCag
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X7ZBkxm3HGYyc+Mr5R3XXmb+YxpcbnG8dD0N9p+3ewvbaweQAQkFMjIzMGvd2nsU
asER8N9hlb/
SSKbK1Ne1MsDyLYsYe9dbK2CiKTmfV8zfV6ekj5ZcA9rlMlZFpGvHZmxAjhojMlwtwt5C
kKesuQdDfUgwDhn8e8goquEsAtbol7+4jxGKKWUMmuUC5EJy8UI62hEaY35XtLOURA
Bmqvt6EUrJTaJztRDkZWO4urzxFSVRb38ZycosTwO6HFn5WMWIe1OgZWjq5/
DSKp0FFsZu+9rLlWtW4rTsI5BNebl39O5ZDaXOFx/
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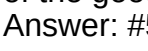
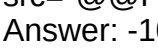
Nlu9PxbLfS+zUP2miOK+Uma7097CwFV4lUSfxgF36ao7kNyCldkzEHyaJ7fmm9tHRt1J
Xc8i7x1QMkadiiDwVQ+SpGCJPxRB5KobIUzFEnooh8lQMkadiiDwVQ+SpmH8BS/
aJ8PwBKOcAAAAASUVORK5CYIIA" alt=""/> is transformed to give matrix dimension

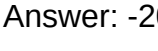
___
Answer: 3 by m

Question: Find the product of the matrices AB 
Answer: 65

Question: Find the Total Value of Sales (TVS), if Y is row vector of quantities of Biros, Rulers and Pencils respectively, and Z is a column vector of the corresponding prices of the goods. 
Answer: #52.29

Question: Cramerâ€™s rule for matrix solution states that _____
Answer: 

Question: Using the answer to question 33, what is outcome of the matrix below? 
Answer: -10

Question: If 
Answer: -20