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 <img src="
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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: ½

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,ƛ) = f(x, y) + ƛ[k = h(x, y)] carefully: F(x, y,ƛ) is the _____
Answer: Lagrange function

Question: f(x, y) in the function F(x, y,ƛ) = f(x, y) + ƛ[k = h(x, y)] is the _____
Answer: Objective function

Question: In the function F(x, y,ƛ) = f(x, y) + ƛ[k = h(x, y)], ƛ[k = h(x, y)] is the _____
Answer: Constraint function

Question: If g = 4w³ + 10wxy³ - y² +x⁴ . With respect to ‘x’, 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 ‘w’ is _____
Answer: 12w + 10xy3

Answer: 12w + 10xy^3

Answer: 12w+10xy^3

Question: If g = 4w³ + 10wxy³ - y² +x⁴ , with respect to ‘y’, the partial derivative is _____
Answer: 30wxy^2 – 2y

Answer: 30wxy^2–2y

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 ‘y’ 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 λ in the equation is_____
Answer: 276

Question: Use Lagrange multiplier to optimize subject to x + y = 36. Therefore, The value of q in the equation given is _____
Answer: 5,244

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

Answer: 23–Q

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

Answer: N17

Question: Total Revenue (TR) value of the function Q = 46 – 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 , the Marginal Cost (MC) is _____
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 is ____,if Q equals 7.
Answer: #220.50

Answer: #220.5

Answer: N220.5

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

Answer: 70Q + 45Q^2 – 10Q^3 + 100

Answer: 70Q+45Q^2–10Q^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
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Answer: 0

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

Question: If <img
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one of the rules of Differentiation.
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
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Answer: primitive function

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Answer: Power function rule

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


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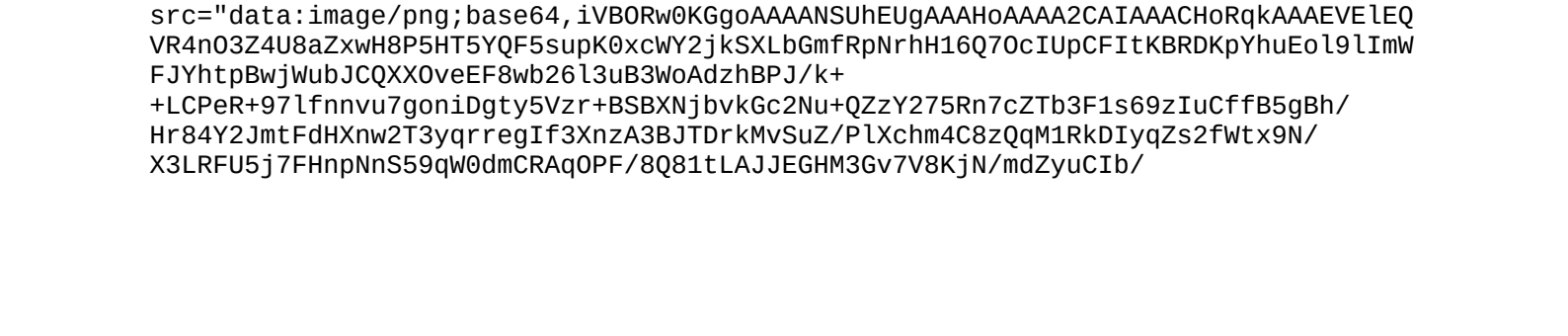
Question: Identify the correct integration notation for 

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Question: If <img
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to determine the functional form of the equation.
Answer: Increasing

Question: Solve to identify the nature of the function <img
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Answer: Decreasing

Question: Solve equation <img
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when x = 4, and describe the state of the function.
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
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Answer: m by 1

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SSKbK1Ne1MsDyLYsYe9dbK2CiKTmfV8zfV6ekj5ZcA9rlMlZFpGvHZmxAjhojMlwtwt5CkKesuQdDfUg
wDhn8e8goquEsAtbol7+4jxGKKWUMmuUC5EJy8UI62hEaY35XtLOURABmqvt6EUrJTaJztRDkZWO4urz
xFSVRb38ZycosTwO6HFn5WMWIe1OgZWjq5/DSKp0FFsZu+9rLlWtW4rTsI5BNebl39O5ZDaXOFx/
0CnbdFgSwgS5EvISay4NNNBi6xHF16RHvDyFGd0mDl8NDVmq73O1HQaNosnRWAjB3hW1ILhsIOG1BRAB
qNcUHTbTr7s6JeX2S30bhEIlyNdLZu/
Nlu9PxbLfS+zUP2miOK+Uma7097CwFV4lUSfxgF36ao7kNyCldkzEHyaJ7fmm9tHRt1JXc8i7x1QMkad
iiDwVQ+SpGCJPxRB5KobIUzFEnooh8lQMkadiiDwVQ+SpmH8BS/aJ8PwBKOcAAAAASUVORK5CYIIA"
alt=""> is transformed to give matrix dimension ___
Answer: 3 by m

Question: Find the product of the matrices AB<img
src="@@PLUGINFILE@@/Picture8.png" alt=""/>
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.<img src="@@PLUGINFILE@@/Picture7.png"
alt=""/>
Answer: #52.29

Question: Cramer’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