

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 is _____

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: Lagrange multiplier method

Question: An evaluation of the marginal expenditure of $p=Q^3+4Q+3$ 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: $\frac{1}{2}$

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 $F(x, y, \lambda) = \lambda f(x, y) + g(x, y)$ carefully: $F(x, y, \lambda)$ is the _____

Answer: Lagrange function

Question: $\lambda f(x, y)$ in the function $F(x, y, \lambda) = \lambda f(x, y) + g(x, y)$ is the _____

Answer: Objective function

Question: In the function $F(x, y, \lambda) = \lambda f(x, y) + g(x, y)$, $g(x, y)$ is the _____

Answer: Constraint function

Question: If $g = 4w^3 + 10wxy^3 - y^2 + x^4$. With respect to w , the partial derivative of this function is _____

Answer: $10wy^3 + 4x^3$

Answer: $10wy^3 + 4x^3$

Answer: $10wy^3+4x^3$

Question: If $g = 4w^3 + 10wxy^3 - y^2 + x^4$, the partial derivative of the function with respect to w is _____

Answer: $12w + 10xy^3$

Answer: $12w + 10xy^3$

Answer: $12w+10xy^3$

Question: If $g = 4w^3 + 10wxy^3 - y^2 + x^4$, 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 A in the equation is _____
Answer: 276

Question: Use Lagrange multiplier to optimize

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Picture7.png" alt="" /> 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 _____

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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 $MC = 70 + 90Q - 30Q^2$, and fixed cost is 100. The TC equation from the MC function is _____

Answer: $70Q + 45Q^2 - 10Q^3 + 100$

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  

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BN77oZPvszgerjwP8J4+x2wvarjNrnp1I4JYJRI+5N10l9XzIJQtqHCihk49HmGNQvEgJ3
afxGQ1YYJI58tcysUdZtzeY7laHJO7asd4hOkO58t432VDAPoDFSJlhWeGG3RpEySy
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FObEbIuDcfHNqVBMmiMDURrZJztTSSa9Mn765KibO37XHUpM77ontqzY6jbNEGEAE
oPXe6u/
KiMLLuFw6l3eV7KTDRz3dV47QIBTLmEi44JwMLbx6J3TyUR+AjThlrnA3FTpyibWhXq
HY+LkbNUAEbKuJRqfUQtPoJPtOpCDrCqYWvfRZk3qIgd8BHeVS11s8/
VOsfvBSljZBleCMvWsQKcXSYXkcw0qRskoYB2fsPSO0DilAke4zpmc6nj35b+Hbj0ecf
Qx7h98MhLiOle4jh7uPT25dO31U0jn6KbdzvNmV448QGBXjNxE6LSZVdJTQAb6MhEk
5LXRC692VqovwDaXKjqj3wooxpyoSrUiY0M6Oppo0pXZ4lFp7z7zUM08YFrwURz90
NN6Od2UUt+hbaMNDoaHY2ORkej00rS6Gh0NDoaHY1OK+lv6eqMJXZz6WkAAAAAS
UVORK5CYIA" alt="">
Answer:

Question: Solve the function using the rule of differentiation

Answer:

Question: If

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Ts8sz8X0q+N85YRQ9Oha9nSoWqNj6p3Hmx9Xz5MYquFapbhepu+euxgHC6diP1ocm
a0VmCAuqGxSmzi2kZ4WSq3bNVjFLhlnbQYZzWtRFppWjxSk4ZzOx13dfaFzOuu60O
YjK0Uu8yTlkjNE3Qfa1m9X6hTTWGHRxrMnNpgVxbbbm6KQ/
gnCOmyJ9tyjhtvhrFxJXjYO3dC5Ax7Rtl+kygH+C+xOclwsuqyenJgCO3K2fMnX+acY826
39Y6LCc9eFYSLcp25EwQclPor+q5tICQfhp/ohTqxUP93jA/
fJ4ptfeWNw5cWgyv+7CNPASzvkiUYYjqTGiXMLuDLjWaz+Wr6qNLuMnw2EimzOFhjv6
XtbbHee3vj6EyUiu4epL5E1uwzkDjkg1Tpm9kQkjaTFunP6CEzG34XYDEvFN5Ysm7+xr
o1j2rx50LnrPQsDZH19mr9xNjD/
J+EPpYKXdH2oewPVtAAdwACdEAAdwACdEAAdwACdEAAdwACdEAHfOfglMqMaPlv
TQdwAAAABJRU5ErkJggA=" alt=""/>, where is 3.142. Differentiate the function
Answer: 0

Question: If the dependent variable is Y and the independent variable is x, find the derivative of the equation
Answer:

Question: What is the ? The question is a long string of base64 encoded characters, likely a visual representation of an image or file.

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Answer:

Question: Differentiate the of

Answer:

Question: Use one of the rules of differentiation to solve the equation
Answer:

Question: Given , solve by finding its derivative

Answer:

Question: Find the derivative of the equation

Answer: -24x

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

Question: If differentiate it using 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

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Question: , is known as
Answer: primitive function

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

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Question: Solve the derivative function x^6 , using the rule of integration

Answer:

Answer:

Question: Identify the correct integration notation for
Answer:

Question: Use constant rule of integration, evaluate
Answer:

Question: Compute the integral function
Answer: 165

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

Question: If , 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 , when
z = 4

Answer: Decreasing

Question: Solve equation 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, w.r to p.
Answer:

Question: Determine the second derivative of function, w.r to i
Answer:

Question: A column matrix is also known as ____ matrix

Answer: m by 1

Question: The transpose of matrix 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