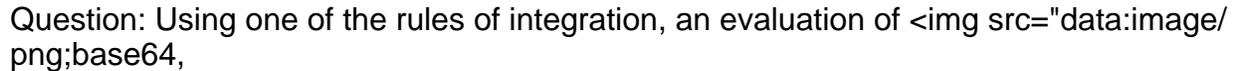


Question: The difference between the definite and the indefinite integral is that, ____

Answer: definite integral has limits

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

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Answer: $\int (-3e^{13x}) dx + C$

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: $\hat{A}^{1/2}$

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 $F(x, y, \lambda) = \delta \square' \ddagger(x, y) + \lambda [k = h(x, y)]$ carefully: $F(x, y, \lambda)$ is the _____

Answer: Lagrange function

Question: $\delta \square' \ddagger(x, y)$ in the function $F(x, y, \lambda) = \delta \square' \ddagger(x, y) + \lambda [k = h(x, y)]$ is the _____

Answer: Objective function

Question: In the function $F(x, y, \lambda) = \delta \square' \ddagger(x, y) + \lambda [k = h(x, y)]$, $\lambda [k = h(x, y)]$ is the _____

Answer: Constraint function

Question: If $g = 4w^{\sup>3</sup>} + 10wxy^{\sup>3</sup>} - y^{\sup>2</sup>} + x^{\sup>4</sup>}$. With respect to $\hat{\sim} x \hat{\in}^{\text{TM}}$, the partial derivative of this function is _____

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

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

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

Question: If $g = 4w^{\sup>3</sup>} + 10wxy^{\sup>3</sup>} - y^{\sup>2</sup>} + x^{\sup>4</sup>}$, the partial derivative of the function with respect to $\hat{\in} w \hat{\in}^{\text{TM}}$ 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 w , 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

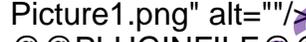
Answer: inflection point

Answer: point of inflection

Question: The first among the rules of differentiation is the _____

Answer: Constant rule

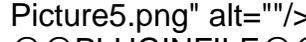
Answer: Constant

Question: Use Lagrange multiplier to optimize  subject to $x + y = 36$. Therefore,  The value of w 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 $AC = 5Q + 6$, 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 $TC = 20Q + 30Q^2$ 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 $y = x^3$

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Answer:

Question: Solve the function  using the rule of differentiation

Answer: 

Question: If 

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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
Answer:

Question: What is the of

Answer:

Question: Differentiate the of

Answer:

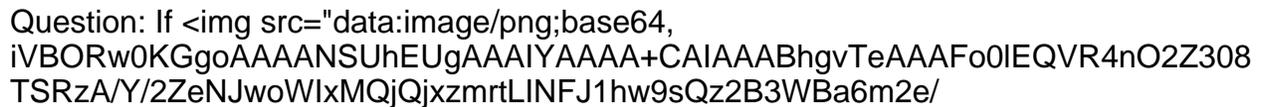
Question: Use one of the rules of differentiation to solve the equation
Answer:

Question: Given $\langle \text{img src="data:image/png;base64,}$
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Answer: $\langle \text{img src="data:image/png;base64,}$
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Question: Find the derivative of the equation  $y = 24x^2 - 24x$

Answer: $-24x$

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

Question: If  $y = 24x^2 - 24x$

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wZRQB1NCHUwJdTAI1MGUUAAdTQh1MCXUwJdTpxP9hfRbUu/
jSXAAAAAEIFTkSuQmCCAA==" alt=""> 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

Question: ,
is known as
Answer: primitive function

Question: <br
clear="all">in the rules integration is called

Answer: Power function rule

Question: Solve the derivative function $x^{>6}$, using the rule of integration

Answer: 

Answer: 

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alt="">

Question: Identify the correct integration notation for 

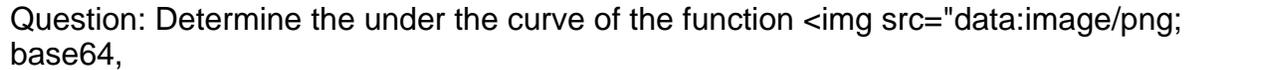
Answer: 

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I/YKHrfkAAAAAEIFTkSuQmCCAA==> alt="">

Question: Use constant rule of integration, evaluate $\int \sin(x) dx$

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Answer:

Question: Compute the integral function
Answer: 165

Question: Determine the under the curve of the function 
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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  $f(x) = \frac{1}{x^2} + \frac{1}{x^3} + \frac{1}{x^4} + \frac{1}{x^5} + \frac{1}{x^6} + \frac{1}{x^7} + \frac{1}{x^8} + \frac{1}{x^9} + \frac{1}{x^{10}} + \frac{1}{x^{11}} + \frac{1}{x^{12}} + \frac{1}{x^{13}} + \frac{1}{x^{14}} + \frac{1}{x^{15}} + \frac{1}{x^{16}} + \frac{1}{x^{17}} + \frac{1}{x^{18}} + \frac{1}{x^{19}} + \frac{1}{x^{20}}$

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z = 4

Answer: Decreasing

Question: Solve equation iVBORw0KGgoAAAANSUUhEUgAAAOAAAAA9CAIAAADQ2EIEAAAeUIEQVR4nO2a3
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MBOgBTAToAUwE6AFMBOgBTAToAUwE6AFMBOgBTAToAUwE6AFMBOgBTATr4P
zSUQ7WuJ1M5AAAAAEIFTkSuQmCCAA==" alt=""> 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 ____

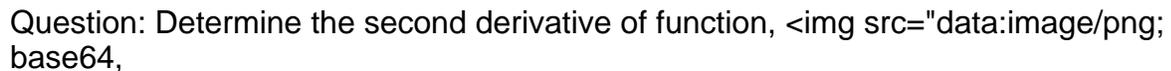
Answer: Critical

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, 

Ep6EnY1QfScg2vgcgwgr5QjAYXtJjb4RANH31tBX5u3DajdFX9KPd1B0s2bCzq9zwNPJ
ZoYoAEnCJ3DFNWfrLQ/n56whPukZP5u/
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3CeMtQCECybfT3SCZfyPD20qqTAVVIIjUzRMmc75xWNYCOWbQUyRR8q3F0/aD/
kgjYz/
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c7tmDSX3/
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WOT+8VUtthZOVJ9clhhJJYdDdBiKSVRmdAduEfhbFPbw9q8Hs/
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MT7/
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DU6KwLaXGLXqiXZ9bbwSdh1kVIY3V64DBHom1vI9jQRqUcYCd+lpKzAYP+8+qxUalc
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EeOgMI+XW9mwtPJWPCifOUTXIJCLZMWR+myO9OjDAklq203bTdryWVxbWZxWkgA
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d7lHrtVfDEnc/liL6fq/gpP840Aik4+++yf0Jc3r0Ti8MJY/
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hnFg/
PKCVfx6k7ES9ynm2nrVbW23eh5VuqoRGdbITrXzVxQPuqgtdL79rE36aOllr+TJT6sdt/
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sMDzp8NHO0EsuEnHYPPJlrvMbYXLhOI9lbtuu41TCoJP7nA69wYByG3SXJvav7ULBf
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JtvDIYDLawMhgMsDAyGAYwMDIYDLawMhgMsDAyGAYwMDIYDLawMhgMsDAyGAY
wMDIYDLawMhgMsDAyGAYwMDIYDLawMhgMsDAyGAYwMDIYDLawMhgMsDAyGA
ywMDIaD/wEvovmJcPs0FAAAAABJRu5ErkJgggA=" alt=""> w.r to p.
Answer:

Question: Determine the second derivative of function, ;

iVBORw0KGgoAAAANSUHEUgAAAJQAAAA9CAIAAADETdelAAAFWEIEQVR4nO2Z3
U9aZxjA+x+9N6Rq4s22xoSaaUgTWztTjb4Jy8QivghFQZiAlkFRcNUzsGPMD7CioSWg
pelmXQ2mYGyxngVzFpIIZiG98Fydy12gGZ+uA0Re8ya/
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q0c0/Uqia1HYqVqrxVBe/J2vb3iErzYLJFqpc7lDrJfTv/
D2kjazpk8dFtmn3u5KITqH6q19eKp4n1/
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RyvqZ+L3CKLVuD0hX0UXUQAdEs9fGMYU+tOgT6HZ7Srjn5sutb40Q0adUHAC1UFVv
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4g8jCHyMIblwxgiD2OIPlwh8jCGyMMYIg9jiDyMlflwhsjDGCIPY4g8jCHyMIblw5h/
ADZNXKqYSCisAAAAEIFTkSuQmCCAA==" alt=""> 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 Biro, Rulers and Pencils respectively, and Z is a column vector of the corresponding prices of the goods.

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