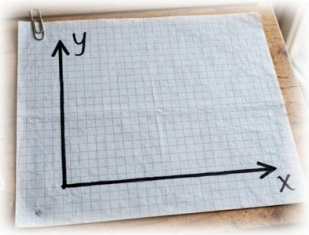
DERIVATIVES: POLYNOMIAL AND TRIGONOMETRIC FUNCTIONS, PRODUCT, QUOTIENT, AND CHAIN RULES - PRACTICE TEST | NEW BRUNSWICK CALCULUS 120 · UNIT A · 5 QUESTIONS

Derivatives: Polynomial and Trigonometric Functions, Product, Quotient, and Chain Rules, 5-question test — Practice Test

This practice test was made by AI and there may be mistakes. If a question or answer looks wrong, use the Flag a mistake button to let Brett know so he can fix it.

1

A coordinate grid shows x and y axes. For f(x) equals 3x times x to the power 2, the derivative at x equals 1 is



Question 1

A coordinate grid shows x and y axes. For $f(x) = 3xx^2$, the derivative at $x = 1$ is

ANSWER

Understand It with Pulse

Flag a mistake

2

For f(x) equals 4x times x to the power 1, the derivative at x equals 1 is

Question 2

For $f(x) = 4xx^{1}$, the derivative at $x = 1$ is

ANSWER

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3

For f(x) equals 2x times x to the power 5, the derivative at x equals 1 is

Question 3

For $f(x) = 2xx^{5}$, the derivative at $x = 1$ is

ANSWER

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4

For f(x) equals 5x times x to the power 2, the derivative at x equals 1 is

Question 4

For $f(x) = 5xx^{2}$, the derivative at $x = 1$ is

ANSWER

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5

For f(x) equals 3x times x to the power 4, the derivative at x equals 1 is

Question 5

For $f(x) = 3xx^4$, the derivative at $x = 1$ is

ANSWER

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ANSWER KEY

1. 9
2. 8
3. 12
4. 15
5. 15

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