NEWFOUNDLAND AND LABRADOR MATHEMATICS 3208 · UNIT B · 5 QUESTIONS

Derivatives — 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 If $f(x) = (2x + 1)^2$, then $f'(1)$ is

ANSWER _____

Understand It with Pulse | Flag a mistake

2 If $x^2 + y^2 = 25$, then $\frac{dy}{dx}$ at (3, 4) is, to two decimal places

ANSWER _____

Understand It with Pulse | Flag a mistake

3 If $f(x) = 3x^3$, then $f'(2)$ is

ANSWER _____

Understand It with Pulse | Flag a mistake

4 If $f(x) = x^2 + 4x$, then $f'(3)$ is

ANSWER _____

Understand It with Pulse | Flag a mistake

5 **United States one-dollar and twenty-dollar banknotes fanned on a white surface. The product rule states that (fg)' equals**



A f'g'

B f'g - fg'

C f'g + fg'

D f + g

Understand It with Pulse | Flag a mistake

ANSWER KEY

1. 12
2. -0.75
3. 36
4. 10
5. C

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