NEWFOUNDLAND AND LABRADOR MATHEMATICS 3208 · UNIT B · 10 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) = x sin x , then f'(0) is**

ANSWER _____

Understand It with Pulse | Flag a mistake

2 **The derivative of f(x) = 7x is**

A 7

B 7x

C 0

D x

Understand It with Pulse | Flag a mistake

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

ANSWER _____

Understand It with Pulse | Flag a mistake

4 **If $f(x) = x^3$, then $f'(-1)$ is**

ANSWER

Understand It with Pulse | Flag a mistake

5 **If $f(x) = \cos x$, then $f'(0)$ is**

ANSWER

Understand It with Pulse | Flag a mistake

6 **If $f(x) = \sin x$, then $f'(\frac{\pi}{2})$ is**

ANSWER

Understand It with Pulse | Flag a mistake

7 **If $f(x) = 4x^3$, then $f'(1)$ is**

ANSWER

Understand It with Pulse | Flag a mistake

8 **If $f(x) = \sqrt{x}$, then $f'(4)$ is, to two decimal places**

ANSWER _____

Understand It with Pulse | Flag a mistake

9 **If $f(x) = xe^x$, then $f'(0)$ is**

ANSWER _____

Understand It with Pulse | Flag a mistake

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

ANSWER _____

Understand It with Pulse | Flag a mistake

ANSWER KEY

1. 0
2. A
3. 7
4. 3
5. 0
6. 0
7. 12
8. 0.25
9. 1
10. 12

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