SASKATCHEWAN CALCULUS 30 · UNIT B

Differentiation Rules and Tangent Lines — Practice Test

Saskatchewan Calculus 30 • 10 questions

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 $f(x) = x^2 + 3x$, then $f'(1)$ is**

ANSWER _____

Understand It with Pulse | Flag a mistake

2 **If $f(x) = (4x + 4)^2$, then $f'(1)$ is**

ANSWER _____

Understand It with Pulse | Flag a mistake

3 **If $f(x) = (4x + 3)^2$, then $f'(1)$ is**

ANSWER _____

Understand It with Pulse | Flag a mistake

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

ANSWER _____

Understand It with Pulse | Flag a mistake

5 **The derivative of 3x is**

A 3

B 0

C 3x

D 4

Understand It with Pulse | Flag a mistake

6 **The derivative of x^2 is**

- **A** x^1
- **B** $2x^1$
- **C** $2x^2$
- **D** x^2

Understand It with Pulse | Flag a mistake

7 **If f(x) = (2x + 3)² , then f'(1) is**

ANSWER _____

Understand It with Pulse | Flag a mistake

8 **If f(x) = 2x² , then f'(1) is**

ANSWER _____

Understand It with Pulse | Flag a mistake

9 **If $f(x) = (2x + 4)^2$, then $f'(1)$ is**

ANSWER

Understand It with Pulse | Flag a mistake

10 **If $f(x) = (5x + 1)^2$, then $f'(1)$ is**

ANSWER

Understand It with Pulse | Flag a mistake

ANSWER KEY

1.	5	**5.**	A	**9.**	24
2.	64	**6.**	B	**10.**	60
3.	56	**7.**	20		
4.	8	**8.**	4		

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