MANITOBA INTRODUCTION TO CALCULUS 45S · 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 **A roller coaster climbs a tall hill. The derivative of $2x^2 + 3x$ at $x = 3$ is**



ANSWER _____

Understand It with Pulse | Flag a mistake

2 **The derivative of $1\ x^3$ at $x = 2$ is**

ANSWER _____

Understand It with Pulse | Flag a mistake

3 **The definite integral from 0 to 5 of 4 x plus 4 is**

ANSWER _____

Understand It with Pulse | Flag a mistake

4 **The limit as x approaches 4 of 3 x plus 7 is**

ANSWER _____

Understand It with Pulse | Flag a mistake

5 **The definite integral from 0 to 3 of 3 is**

ANSWER _____

Understand It with Pulse | Flag a mistake

ANSWER KEY

1. 15
2. 12
3. 70
4. 19
5. 9

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