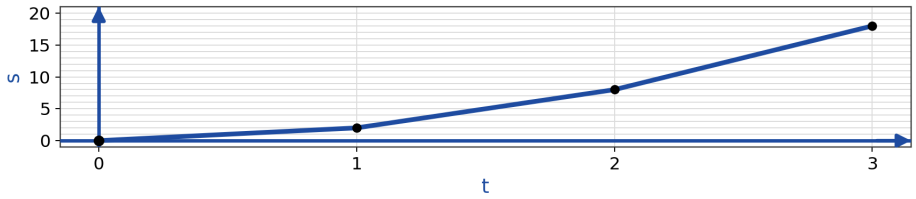
ONTARIO CALCULUS AND VECTORS, GRADE 12, UNIVERSITY PREPARATION (MCV4U) · UNIT A · 5 QUESTIONS

Rate of Change — 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 **The graph shows position against time. The position at time 3 is Figure 2**



- **A** 2
- **B** 8
- **C** 4
- **D** 18

Understand It with Pulse | Flag a mistake

2 The slope of the tangent to $y = x^2$ at x equal to 2 is

- A 2
- B 4
- C 6
- D 15

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3 The slope of the tangent to $y = x^2$ at x equal to 3 is

- A 3
- B 8
- C 6
- D 9

Understand It with Pulse | Flag a mistake

4 The slope of the tangent to $y = x^2$ at x equal to 4 is

- A 4
- B 10
- C 16
- D 8

Understand It with Pulse | Flag a mistake

5 The slope of the tangent to $y = x^2$ at x equal to 5 is

- A 10
- B 5
- C 12
- D 25

Understand It with Pulse | Flag a mistake

ANSWER KEY

1. D
2. B
3. C
4. D
5. A

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