ONTARIO PRINCIPLES OF MATHEMATICS, GRADE 10, ACADEMIC (MPM2D) · UNIT C · 5 QUESTIONS

Analytic Geometry — 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 **Thick coiled natural rope on a plain light surface, a length stretched out beside the coil, large in frame, no people. For the segment joining (0, 0) and (2, 3), the length of the segment is**



A $\sqrt{13}$

B $\sqrt{12}$

C $\sqrt{14}$

D $\sqrt{16}$

Understand It with Pulse | Flag a mistake

2 The equation of the line through (0, 3) and (2, 7) is

- **A** $y = -2x + 3$
- **B** $y = 2x + 3$
- **C** $y = 2x + 5$
- **D** $y = 2x + 1$

Understand It with Pulse | Flag a mistake

3 For the segment joining (0, 0) and (4, 2), the slope of the segment is

- **A** -1/2
- **B** 2
- **C** $\frac{2}{2}$
- **D** $\frac{1}{2}$

Understand It with Pulse | Flag a mistake

4 For the segment joining (0, 0) and (1, 3), the length of the segment is

- A $\sqrt{9}$
- B $\sqrt{10}$
- C $\sqrt{11}$
- D $\sqrt{13}$

Understand It with Pulse | Flag a mistake

5 The equation of the line through (1, 1) and (3, 7) is

- A y = -3x - 2
- B y = 3x
- C y = 3x - 2
- D y = 3x - 4

Understand It with Pulse | Flag a mistake

ANSWER KEY

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

© 2026 Brett Robbins. All Rights Reserved.