YUKON FOUNDATIONS OF MATHEMATICS 11 (MFOM-11) · UNIT B · 5 QUESTIONS

Graphical Analysis of Functions and Systems — 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 vertex of the parabola $y = (x + 4)^2 + 3$ is**

- A (-4, 3)
- B (4, 3)
- C (-4, -3)
- D (4, -3)

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2 **The y -intercept of the parabola $y = -x^2 + 2x + 7$ is ____.**

ANSWER _____

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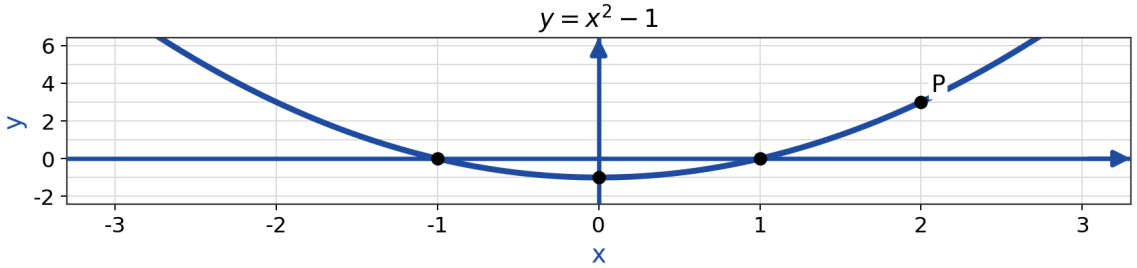
3 **The graph shows the parabola $y = x^2 - 1$. The value of y when x = 2 is**



- **A** 1
- **B** 3
- **C** 5
- **D** 0

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4 **The solution of the system y = -x + 6 and y = 2x - 3 is**

- **A** (3, 3)
- **B** (2, 4)
- **C** (1, 5)
- **D** (4, 2)

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5 For the parabola $y = x^2 - 5x + 4$, the values of x for which $y < 0$ are

- **A** $x < 1$ or $x > 4$
- **B** $1 < x < 4$
- **C** $x > 4$
- **D** $x < 1$

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ANSWER KEY

1. A
2. 7
3. B
4. A
5. B

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