BRITISH COLUMBIA 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)

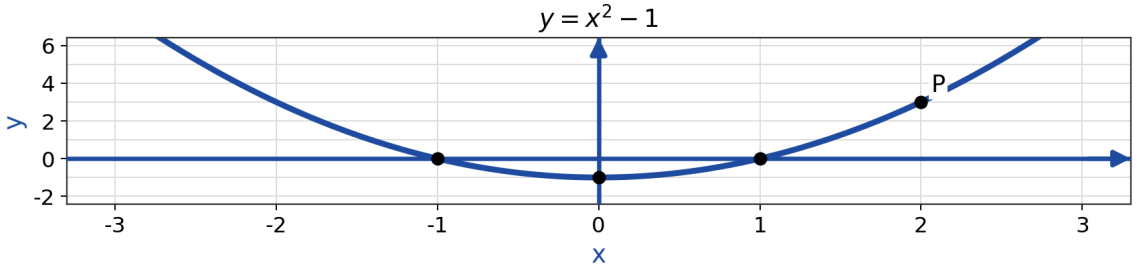
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2 **The y -intercept of the parabola $y = -x^2 + 2x + 7$ is ____.**

ANSWER _____

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3 **The graph shows the parabola y = x² - 1. The value of y when x = 2 is**



A 1

B 3

C 5

D 0

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4 **Antique brass orrery, a model of the solar system with planets around a central sun. 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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