ALBERTA MATH 20-2 · UNIT 7 · 5 QUESTIONS

Quadratic Functions — 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 a quadratic function with a minimum value. The vertex of the graph is**

- A (-2, -9)
- B (2, -9)
- C (-2, 9)
- D (2, 9)

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2 **The minimum value of the function $y = 4(x - 1)^2 + 3$ is**

- A 4
- B 3
- C 1
- D -3

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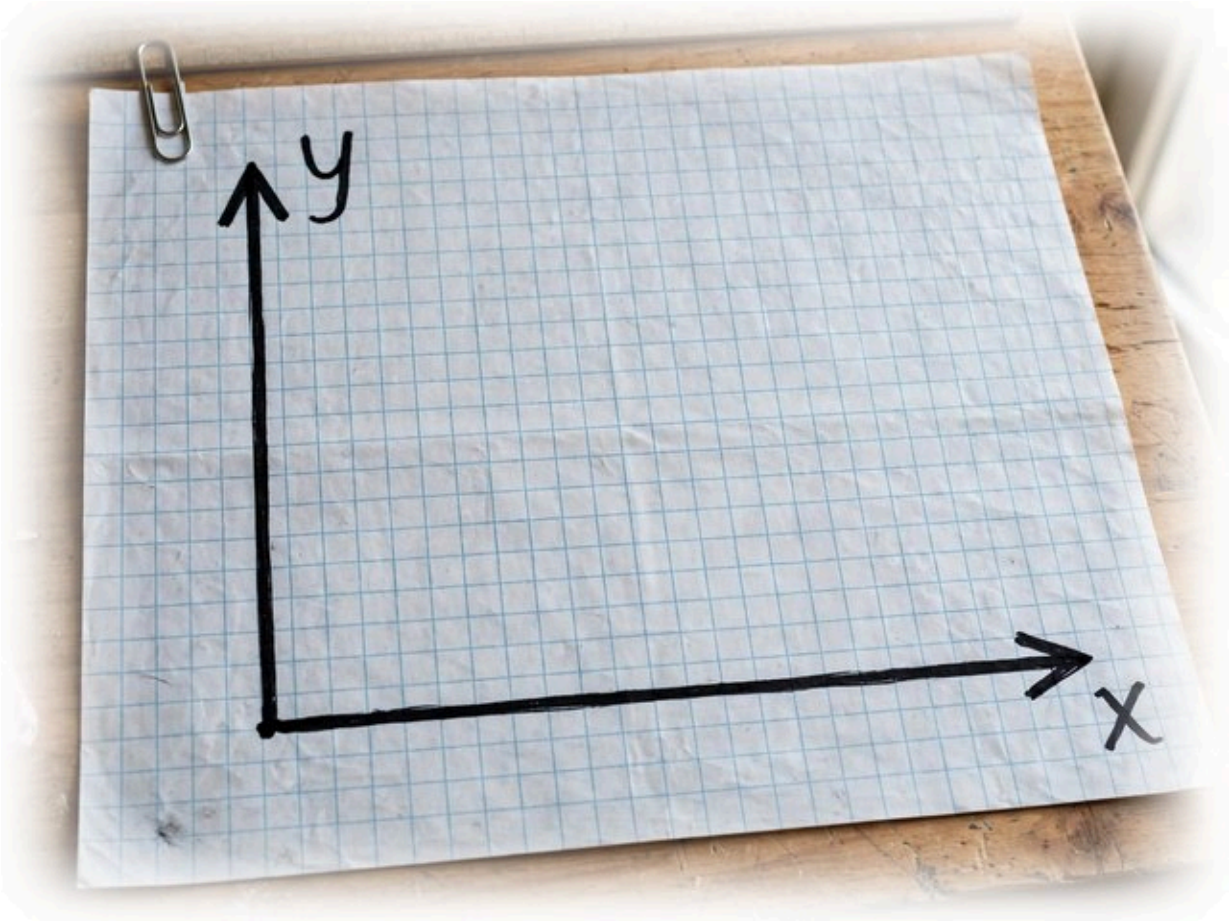
3 **A coordinate grid shows x and y axes. The y-intercept of the graph of $y = x^2 + 5x - 2$ is**



A 5

B 1

C -2

D 2

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4 **The y-coordinate of the vertex of the graph of $y = (x + 3)^2 - 8$ is _____ Record your answer as a whole number.**

ANSWER _____

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5 **The solutions to the equation $x^2 + 2x - 15 = 0$ are**

A -3 and 5

B 3 and 5

C -5 and -3

D -5 and 3

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ANSWER KEY

1. A
2. B
3. C
4. -8
5. D

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