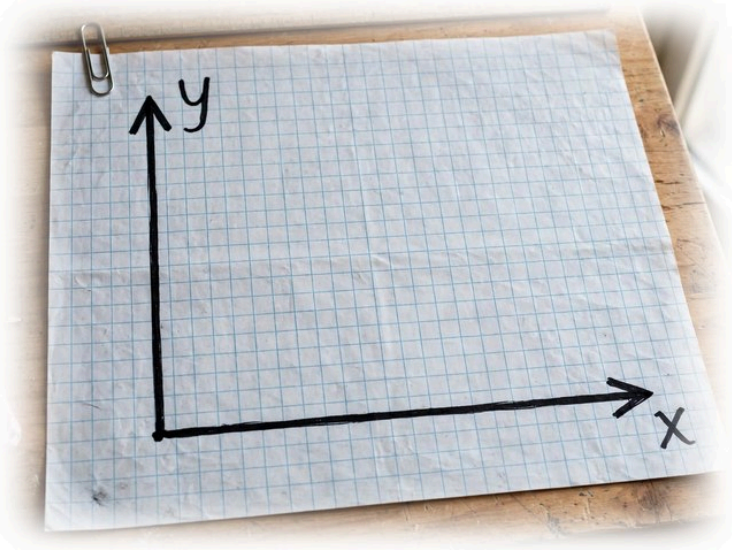
NUNAVUT MATHEMATICS 20-1 · UNIT 3 · 5 QUESTIONS

Quadratics — 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 **A coordinate grid with bold x and y axes on graph paper. The axis of symmetry of the graph of $y = x^2 + 10x + 3$ is**



- **A** x = 5
- **B** x = -10
- **C** x = -5
- **D** x = 10

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2 **The graph shown is a parabola. Its x -intercepts are**

- **A** x = -5 and x = 3
- **B** x = 5 and x = -3
- **C** x = -5 and x = -3
- **D** x = 5 and x = 3

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3 **The smaller root of the equation $x^2 + 3x - 10 = 0$ is**

ANSWER _____

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

- **A** 3
- **B** -4
- **C** -3
- **D** 4

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5 **Expressed in factored form, $x^2 - 6x + 8$ is**

- **A** $(x - 2)(x - 4)$
- **B** $(x + 2)(x + 4)$
- **C** $(x - 1)(x - 8)$
- **D** $(x - 8)(x + 1)$

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ANSWER KEY

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

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