NEWFOUNDLAND AND LABRADOR MATHEMATICS 2200 · UNIT B · 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 **Diving board over a bright blue swimming pool, seen from the side, board bent slightly downward at its tip, bright daylight, no people. Think about the idea. A parabola that opens downward has a leading coefficient that is**



A negative

B positive

C zero

D equal to 1

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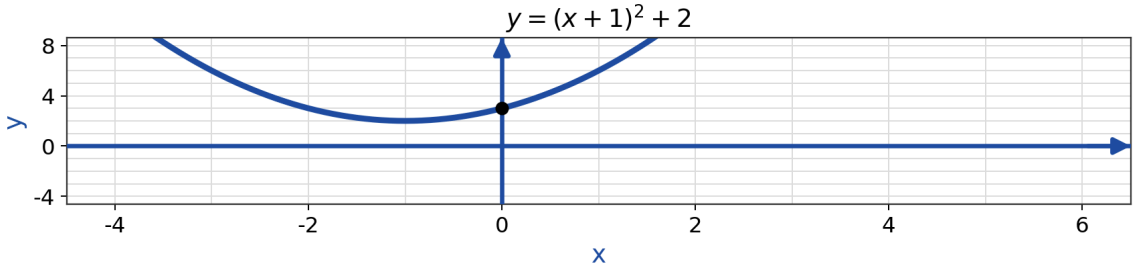
2 **The graph shown is a parabola with vertex (-1, 2). Its equation is**



- **A** $y = (x + -1)^2 + 2$
- **B** $y = (x - -1)^2 + 2$
- **C** $y = (x - -1)^2 - 2$
- **D** $y = -(x - -1)^2 + 2$

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3 **The y intercept of $y = 2x^2 - 3x + 8$ is**

ANSWER _____

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4 **The maximum value of $y = -x^2 + -4x + 3$ is**

ANSWER _____

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5 **Review the idea . The x intercepts of y = (x minus 2)(x plus 5) are**

A 2 and -5

B -2 and 5

C 2 and 5

D -2 and -5

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ANSWER KEY

1. A
2. B
3. 8
4. 7
5. A

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