

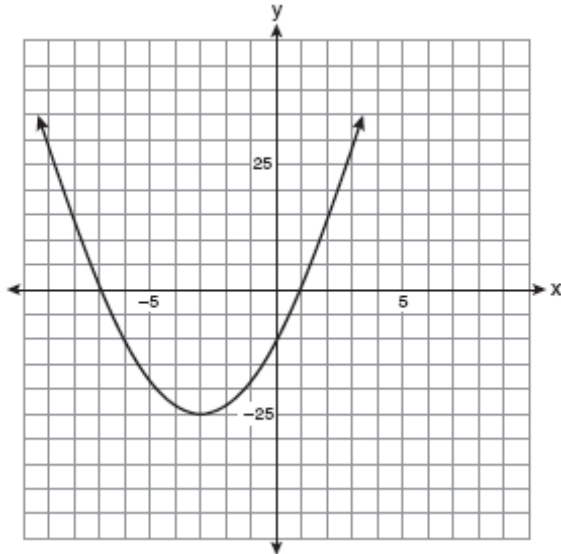
QUADRATICS: Identifying the Vertex of a Quadratic Given Graph

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NAME: _____

1. 010916ia, P.I. A.G.10

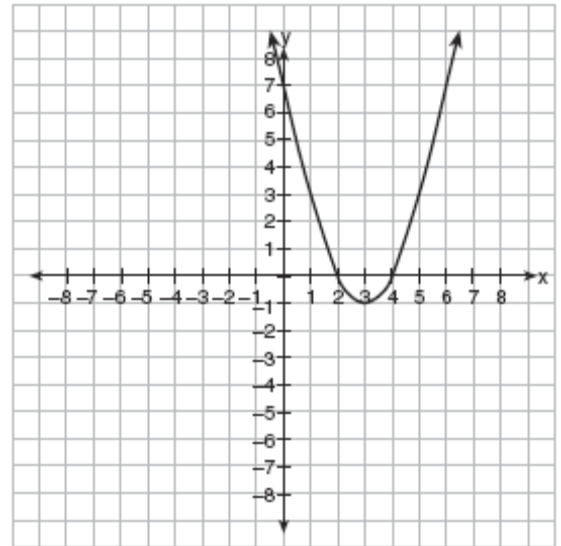
Which equation represents the axis of symmetry of the graph of the parabola below?



- [A] $x = -3$ [B] $y = -3$
 [C] $x = -25$ [D] $y = -25$

2. 010606a, P.I. A.G.10

Which is an equation of the line of symmetry for the parabola in the accompanying diagram?



- [A] $x = 3$ [B] $x = 2$
 [C] $y = 3$ [D] $x = 4$

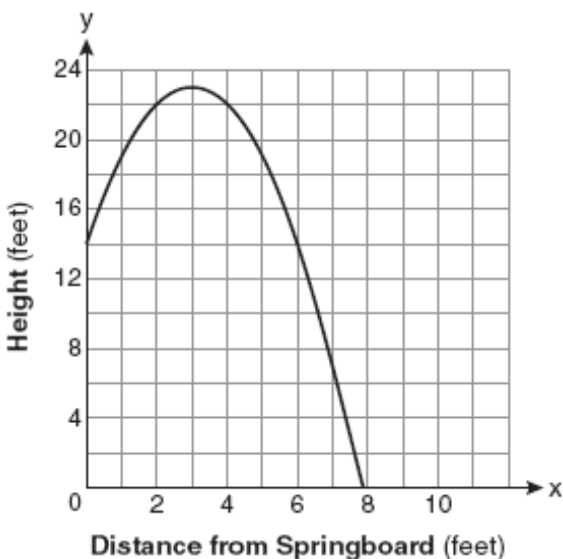
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3. 080813ia, P.I. A.G.10

A swim team member performs a dive from a 14-foot-high springboard. The parabola below shows the path of her dive.

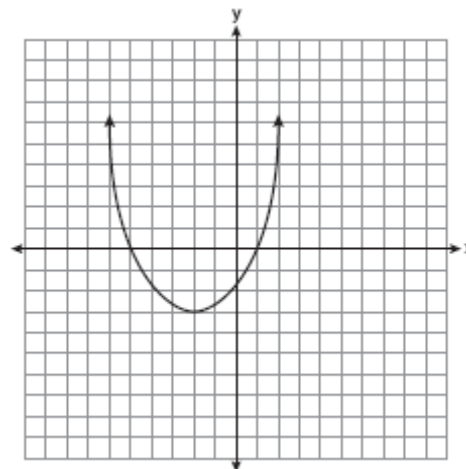


Which equation represents the axis of symmetry?

- [A] $x = 23$ [B] $y = 3$
 [C] $y = 23$ [D] $x = 3$

4. 060811ia, P.I. A.G.10

What are the vertex and the axis of symmetry of the parabola shown in the diagram below?



- [A] The vertex is $(-3, -2)$, and the axis of symmetry is $x = -2$.
 [B] The vertex is $(-2, -3)$, and the axis of symmetry is $y = -2$.
 [C] The vertex is $(-2, -3)$, and the axis of symmetry is $x = -2$.
 [D] The vertex is $(-3, -2)$, and the axis of symmetry is $y = -2$.

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[1] A

[2] A

[3] D

[4] C