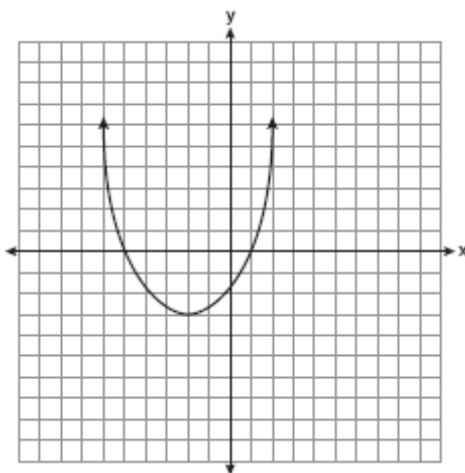


A.G.10: Determine the vertex and axis of symmetry of a parabola, given its graph. Note: The vertex will have an ordered pair of integers and the axis of symmetry will have an integral value.

1. 060811ia, P.I. A.G.10

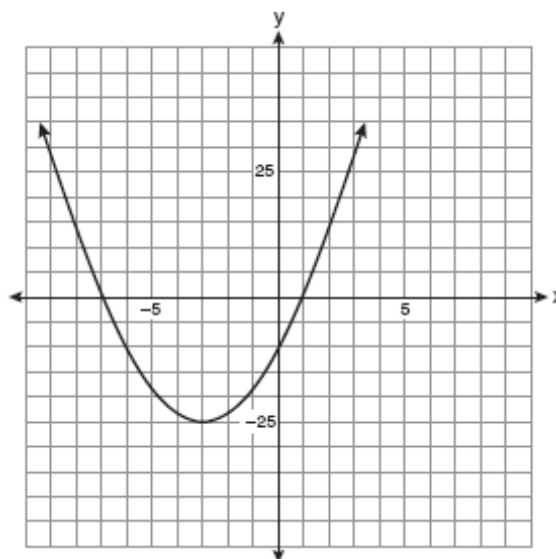
What are the vertex and the axis of symmetry of the parabola shown in the diagram below?



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

2. 010916ia, P.I. A.G.10

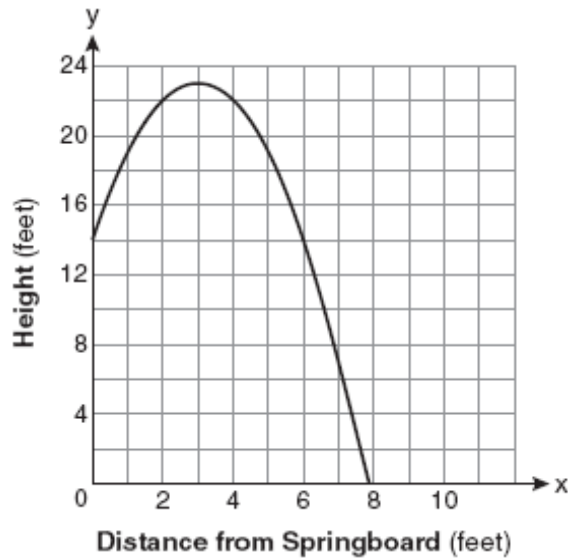
Which equation represents the axis of symmetry of the graph of the parabola below?



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

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.

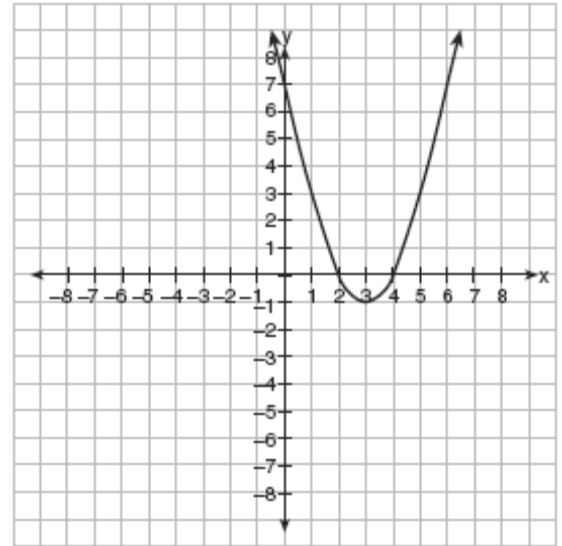


Which equation represents the axis of symmetry?

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

4. 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] $x = 4$ [D] $y = 3$

A.G.10: Determine the vertex and axis of symmetry of a parabola, given its graph. Note: The vertex will have an ordered pair of integers and the axis of symmetry will have an integral value.

[1] D _____

[2] D _____

[3] A _____

[4] A _____