

Name: _____ Date: _____

HW: Graphing Quadratics in Standard Form

- 1) Convert each of the following into Vertex Form
- 2) Identify the vertex
- 3) Identify the Axis of Symmetry

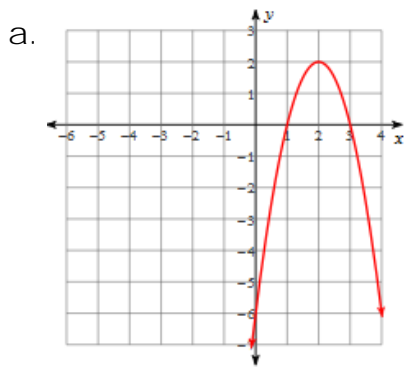
a. $f(x) = 2x^2 + 16x + 33$

b. $f(x) = -2x^2 + 12x + 15$

c. $f(x) = -2x^2 - 16x - 34$

d. $f(x) = -x^2 - 4x - 8$

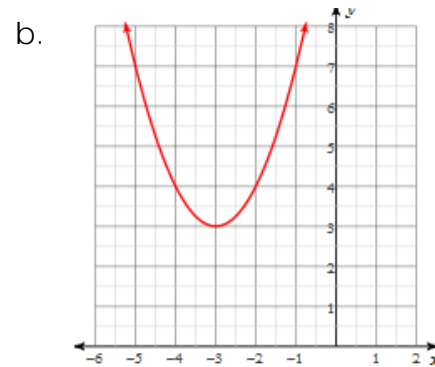
- 2) Determine either the axis of symmetry, the vertex, and the zeros for each of the graphs



Axis of symmetry: _____

Vertex: _____

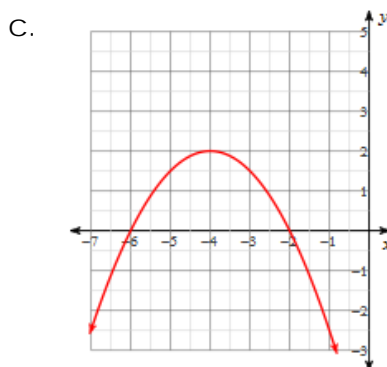
Zeros: _____



Axis of symmetry: _____

Vertex: _____

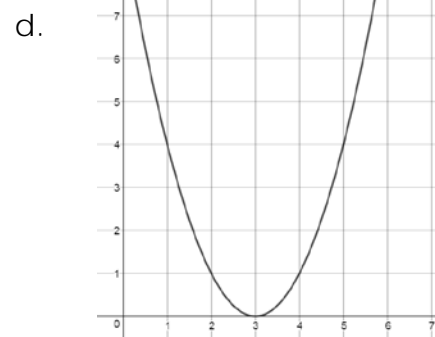
Zeros: _____



Axis of symmetry: _____

Vertex: _____

Zeros: _____



Axis of symmetry: _____

Vertex: _____

Zeros: _____