

Name: _____ Date: _____

HW: Graphing Quadratics in Standard Form

1) Determine the Axis of Symmetry for each of the following

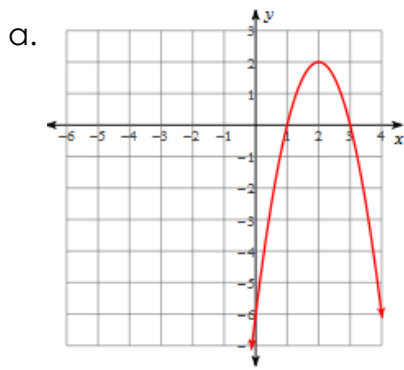
a. $f(x) = 2x^2 + 16x + 33$

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

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

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

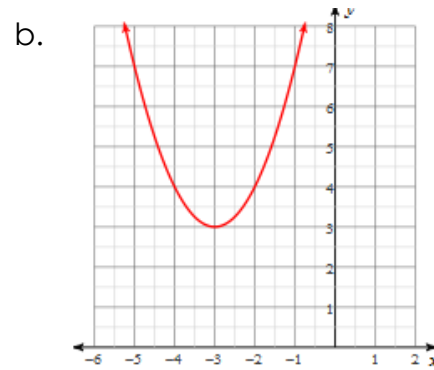
2) Determine either the axis of symmetry, the vertex, and the zeros for each of the graphs



Axis of symmetry: _____

Vertex: _____

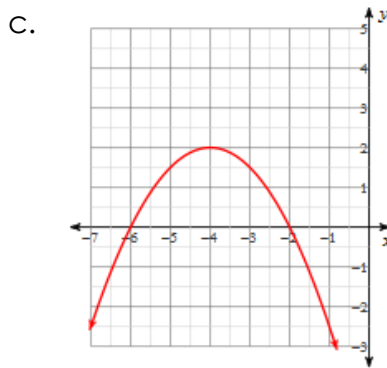
Zeros: _____



Axis of symmetry: _____

Vertex: _____

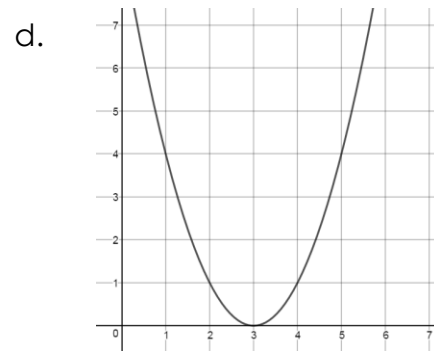
Zeros: _____



Axis of symmetry: _____

Vertex: _____

Zeros: _____



Axis of symmetry: _____

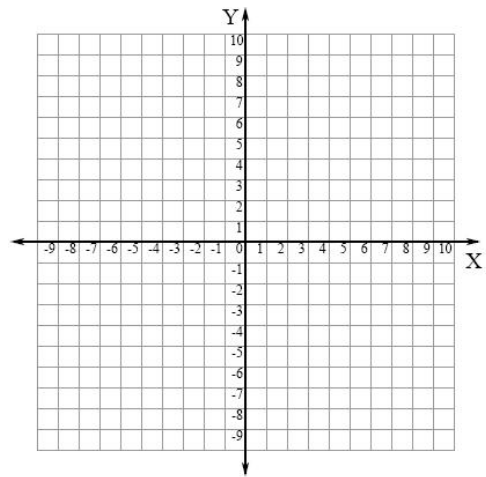
Vertex: _____

Zeros: _____

3) Graph each of the following quadratic functions

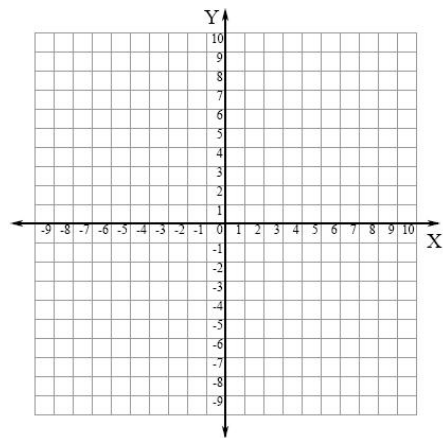
a. $f(x) = 2x^2 + 16x + 33$

x	y



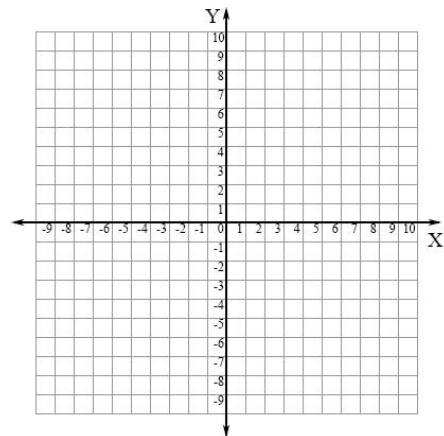
b. $f(x) = -2x^2 + 12x + 15$

x	y



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

x	y



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

x	y

