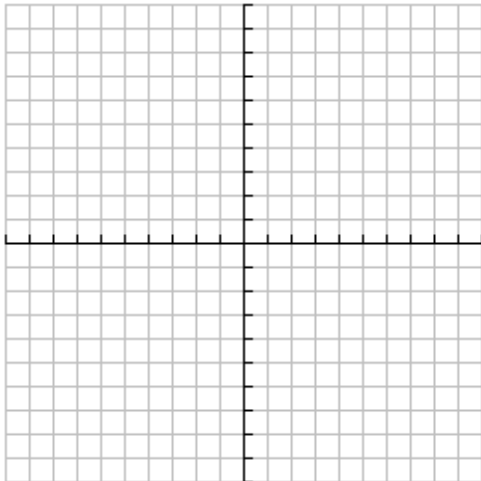
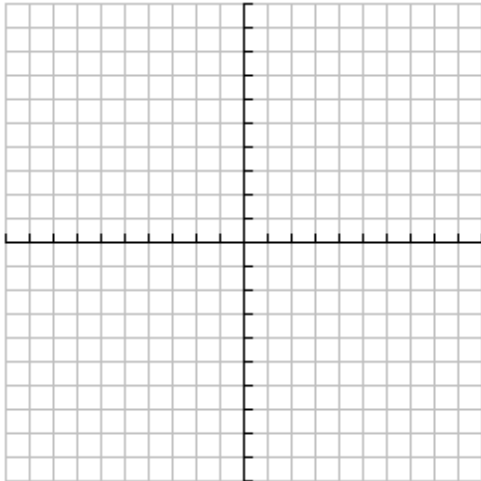
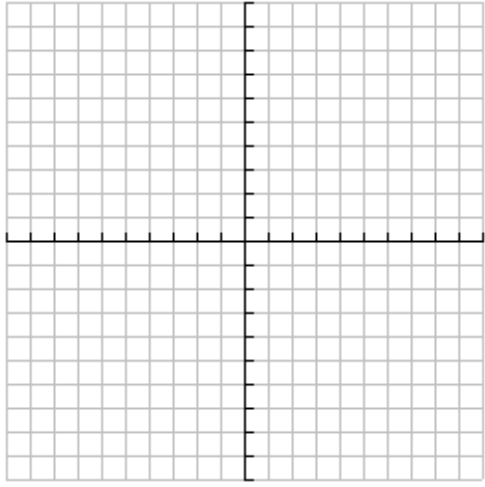
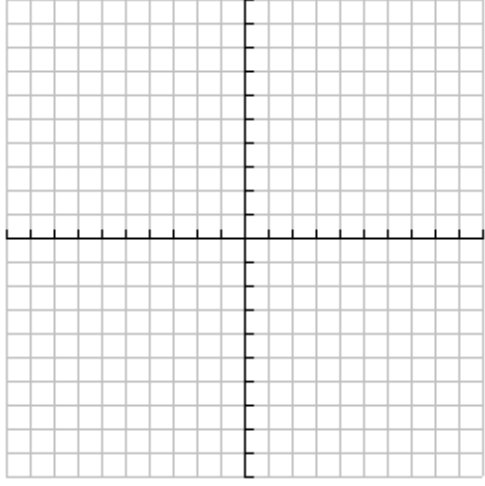


Name: \_\_\_\_\_ Hour: \_\_\_\_\_ Date: \_\_\_\_\_

## Graphing Quadratics in All Three Forms (Standard, Vertex, Factored)

**Directions:** Use each form of the quadratic equation to find all of the parts, then sketch the graph.

Equations	Parts	Graph
$y = x^2 - 2x - 8$ $y = (x - 4)(x + 2)$ $y = (x - 1)^2 - 9$	Vertex: _____ Axis of sym: _____ Zeros: _____ y - int: _____ Reflected y - int: _____	
$y = x^2 + 6x + 5$ $y = (x + 5)(x + 1)$ $y = (x + 3)^2 - 4$	Vertex: _____ Axis of sym: _____ Zeros: _____ y - int: _____ Reflected y - int: _____	

Equations	Parts	Graph
$y = -x^2 + 2x + 3$ $y = -(x - 3)(x + 1)$ $y = -(x - 1)^2 + 4$	Vertex: _____ Axis of sym: _____ Zeros: _____ y - int: _____ Reflected y - int: _____	
$y = x^2 - 6x + 5$ $y = (x - 5)(x - 1)$ $y = (x - 3)^2 - 4$	Vertex: _____ Axis of sym: _____ Zeros: _____ y - int: _____ Reflected y - int: _____	
$y = -x^2 - 4x$ $y = x(x + 4)$ $y = -(x + 2)^2 + 4$	Vertex: _____ Axis of sym: _____ Zeros: _____ y - int: _____ Reflected y - int: _____	