

Graphing Quadratic Functions A

Name: _____

Period: _____

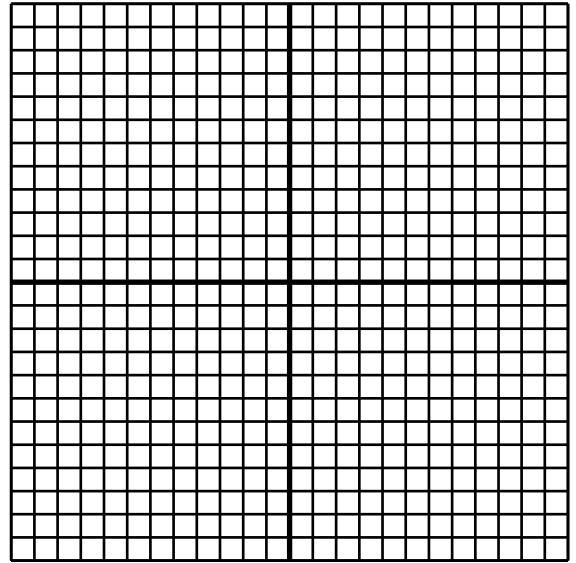
Directions: Find the vertex and axis of symmetry and describe the transformation of each quadratic function. Then graph the function.

1. $y = (x + 4)^2 - 3$

Vertex: _____

Axis of Symmetry: _____

Describe the transformation: _____

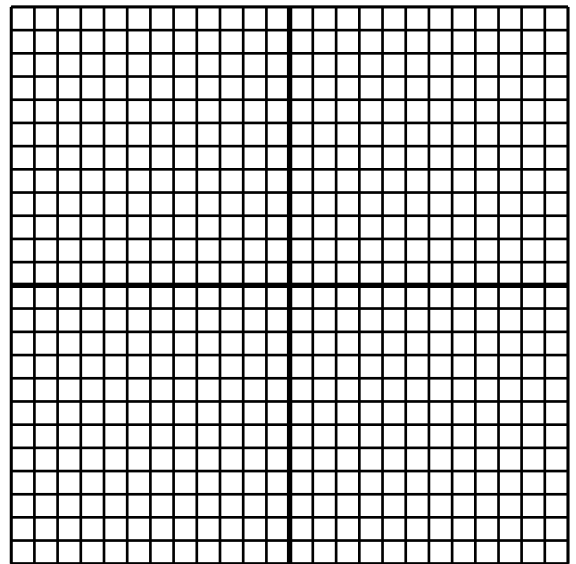


2. $y = (x - 7)^2 + 2$

Vertex: _____

Axis of Symmetry: _____

Describe the transformation: _____

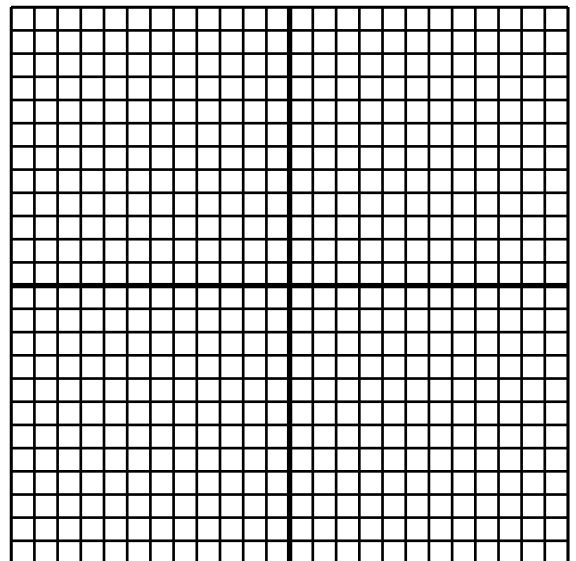


3. $y = -(x - 2)^2 + 7$

Vertex: _____

Axis of Symmetry: _____

Describe the transformation: _____

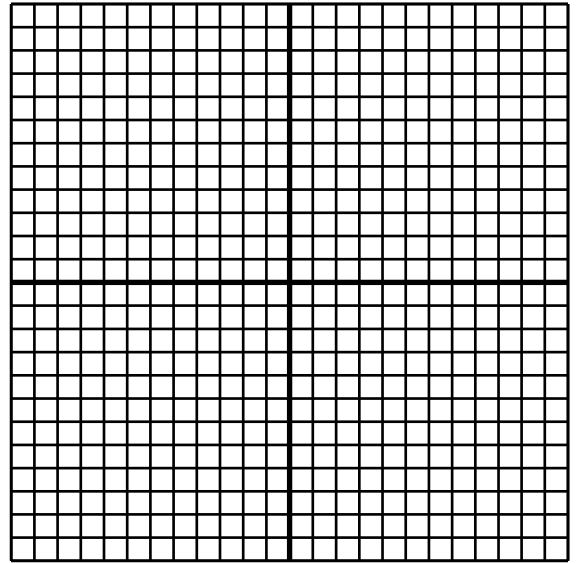


4. $y = -(x+3)^2 + 6$

Vertex: _____

Axis of Symmetry: _____

Describe the transformation: _____

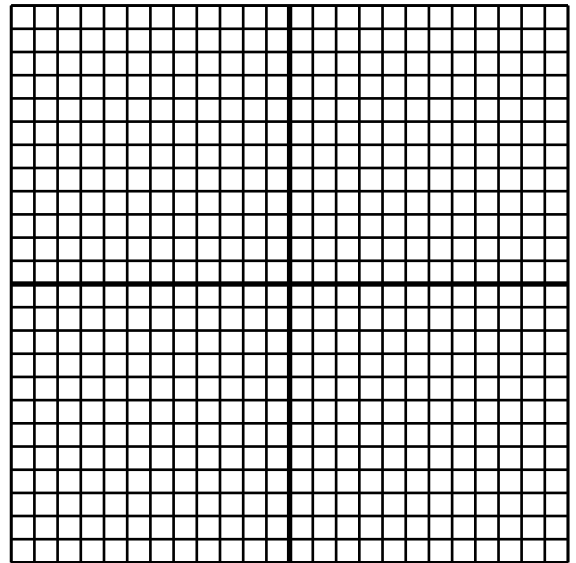


5. $y = (x+5)^2 - 6$

Vertex: _____

Axis of Symmetry: _____

Describe the transformation: _____

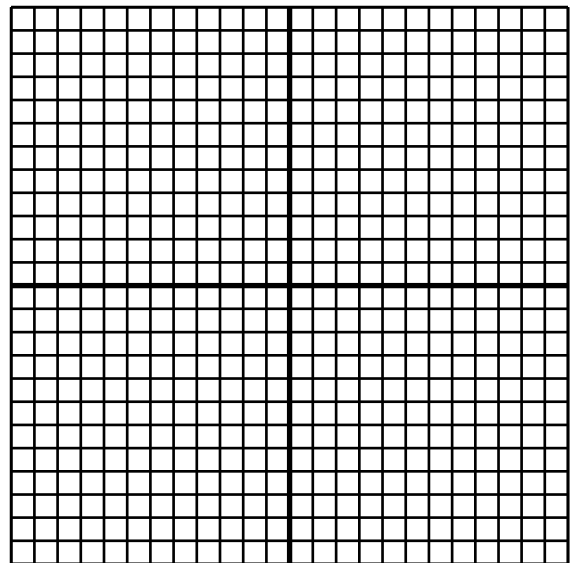


6. $y = -(x-6)^2 + 2$

Vertex: _____

Axis of Symmetry: _____

Describe the transformation: _____

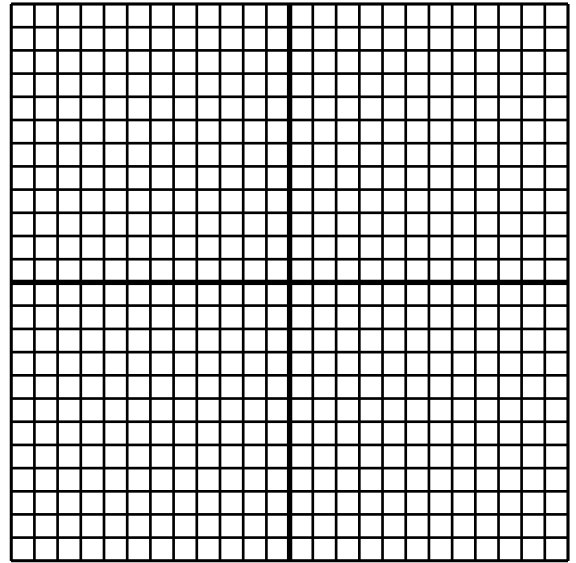


7. $y = (x + 8)^2 - 4$

Vertex: _____

Axis of Symmetry: _____

Describe the transformation: _____

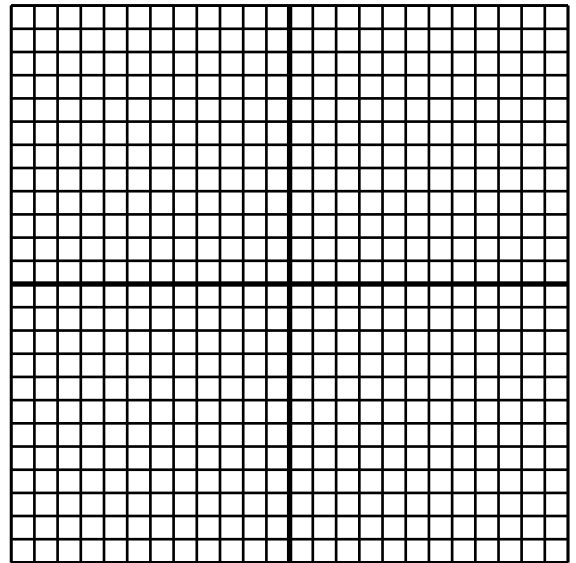


8. $y = -(x - 1)^2 + 9$

Vertex: _____

Axis of Symmetry: _____

Describe the transformation: _____



9. $y = (x + 4)^2 - 5$

Vertex: _____

Axis of Symmetry: _____

Describe the transformation: _____

