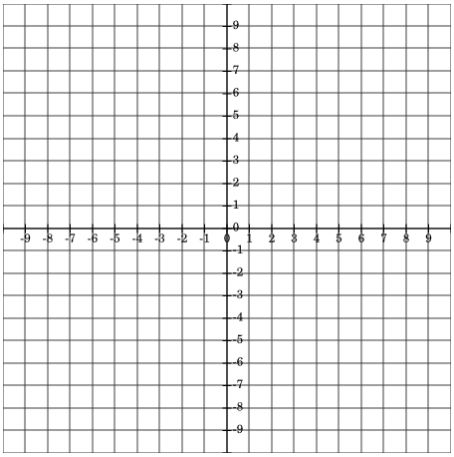
Practice 6.2.2 **Ringbloom** **Algebra 2A**

Name: _____ Hour: _____

Graph each quadratic function. Identify the vertex and axis of symmetry.

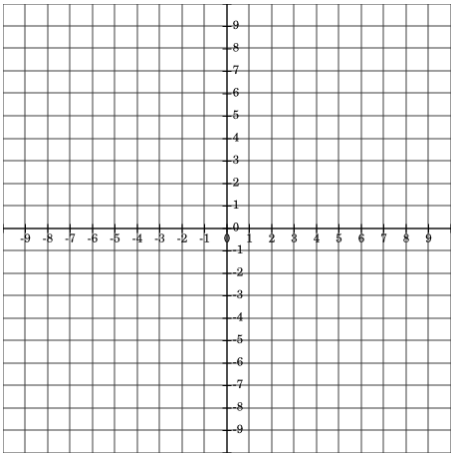
1. $y = (x-1)^2 + 2$

Vertex:
Axis of Symmetry:



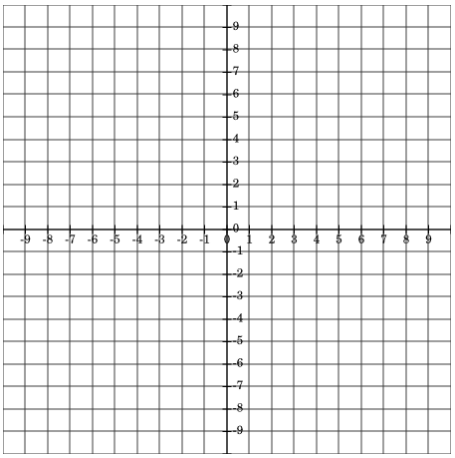
2. $y = -(x-3)^2 + 2$

Vertex:
Axis of Symmetry:



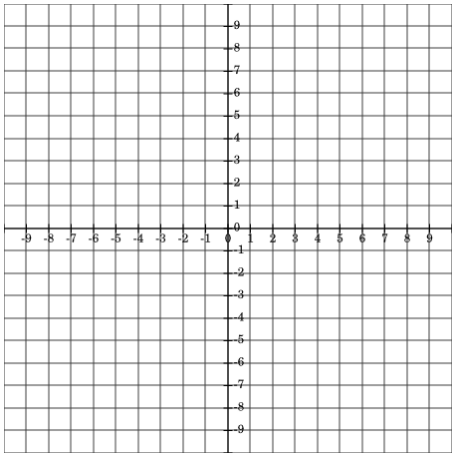
3. $y = -\frac{1}{2}(x+3)^2 + 4$

Vertex:
Axis of Symmetry:



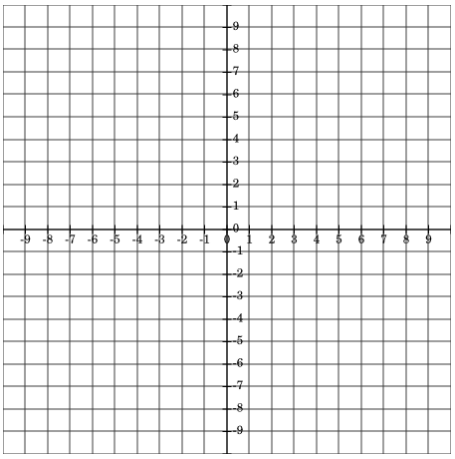
4. $y = -2(x+3)^2 - 4$

Vertex:
Axis of Symmetry:



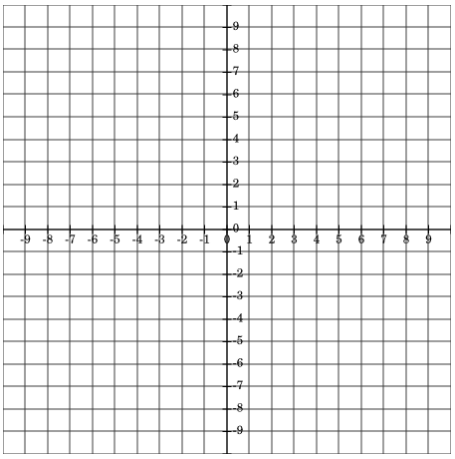
5. $y = 3(x + 4)^2 - 5$

Vertex:
Axis of Symmetry:



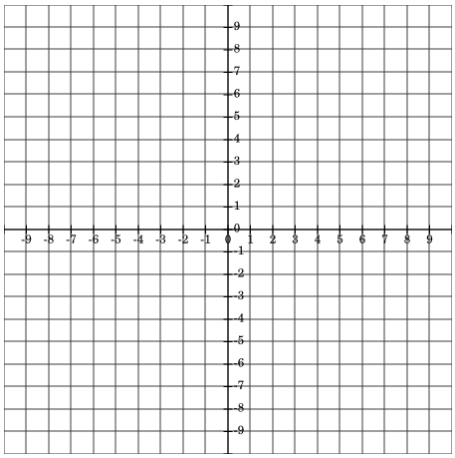
6. $y = -\frac{1}{3}(x + 1)^2 + 3$

Vertex:
Axis of Symmetry:



7. $y = -(x - 2)^2 - 1$

Vertex:
Axis of Symmetry:



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

Vertex:
Axis of Symmetry: