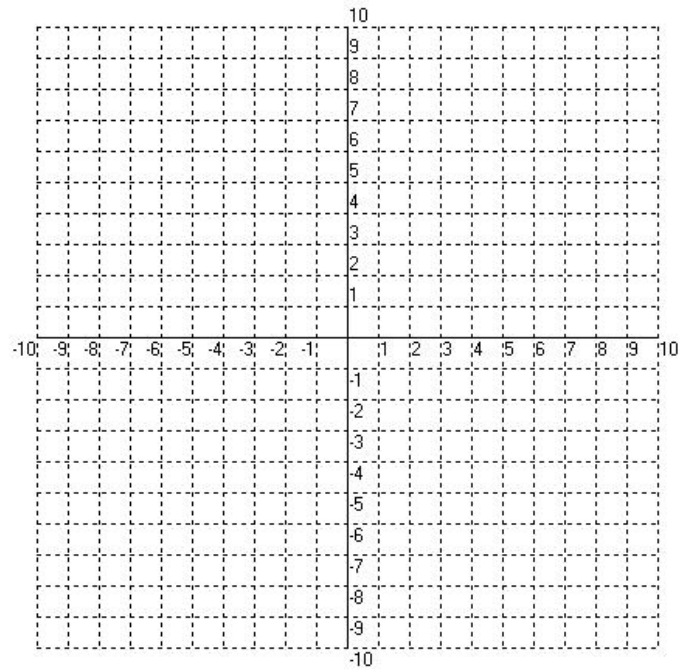Name_____

For each function, label the vertex, axis of symmetry, and domain/range. Also find the intercepts.

Vertex $\left(\dfrac{-b}{2a}, f\left(\dfrac{-b}{2a} \right) \right)$ Axis of symmetry $x = \dfrac{-b}{2a}$
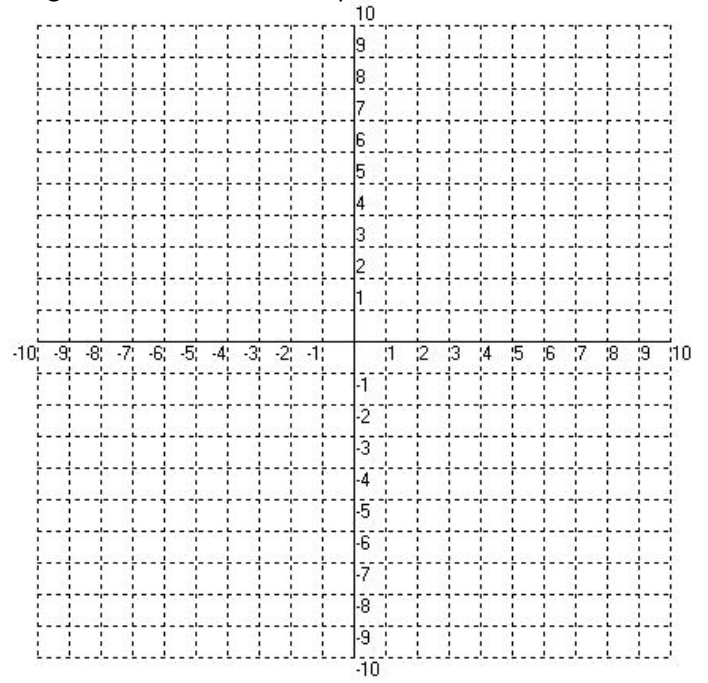
1) $y = x^2 - 9$

2) $y = -x^2 - 4x$

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

For each function, label the vertex, axis of symmetry, and domain/range. Also find the intercepts

4) $x = y^2 - 8y + 5$

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

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