Graphing Quadratics in Standard Form

For each of the following, graph the equation in standard form. Be sure to identify the key parts.
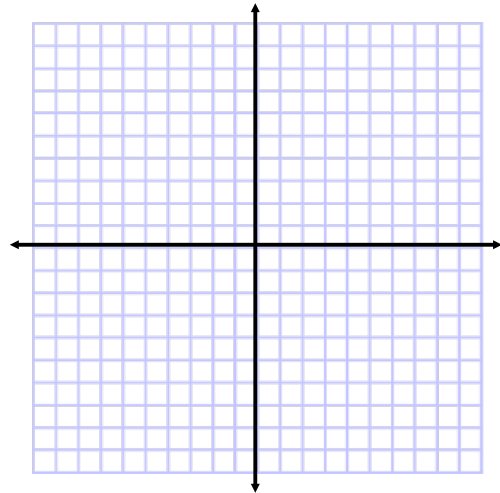
1. $y = -x^2 + 2x + 1$

AoS: _____

Vertex: _____

y-intercept: _____

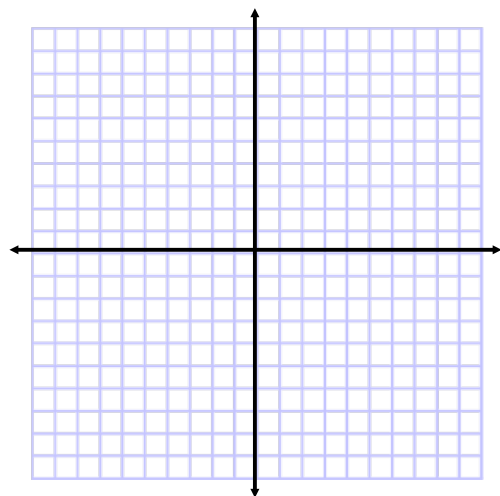Domain: _____

Range: _____

2. $y = \frac{1}{3}x^2 - 2x - 1$

AoS: _____

Vertex: _____

y-intercept: _____

Domain: _____
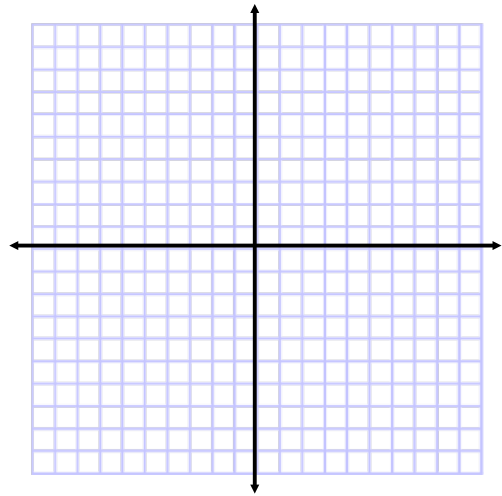
Range: _____

3. $y = 4x^2 + 8x - 5$

AoS: _____

Vertex: _____

y-intercept: _____

Domain: _____

Range: _____

4. $y = -\frac{1}{2}x^2 + 4x - 6$

AoS: _____

Vertex: _____

y-intercept: _____

Domain: _____

Range: _____