

LT 3.2 Honors Skills Practice

Graphing Quadratic Functions using the Equation of the Axis of Symmetry

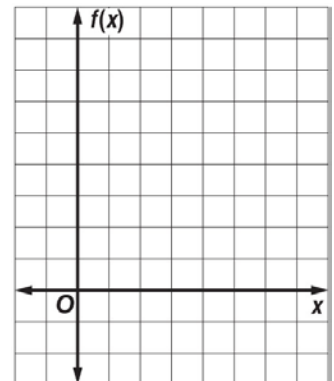
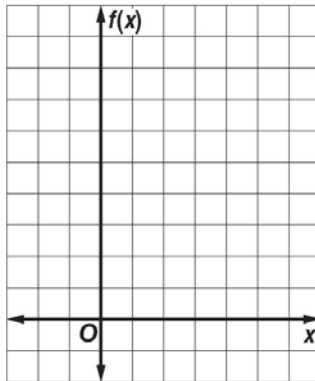
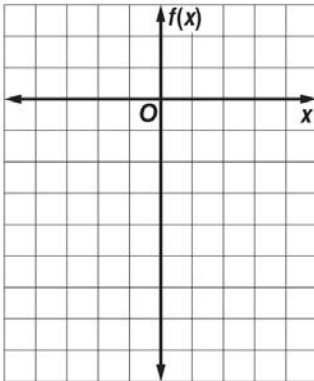
Complete parts a-b for each quadratic function.

- Find the y-intercept, the equation of the axis of symmetry, and the x & y-coordinate of the vertex.
- Use this information to graph the function.
- Label the vertex, the axis of symmetry, and the y-intercept.

1. $f(x) = -2x^2$

2. $f(x) = x^2 - 4x + 4$

3. $f(x) = x^2 - 6x + 8$



4. $f(x) = 2x^2 - 8x + 5$

5. $f(x) = -x^2 - 6x + 8$

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

