

## Quadratic Functions Assignment

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

1.  $f(x) = x^2 - 8x$

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

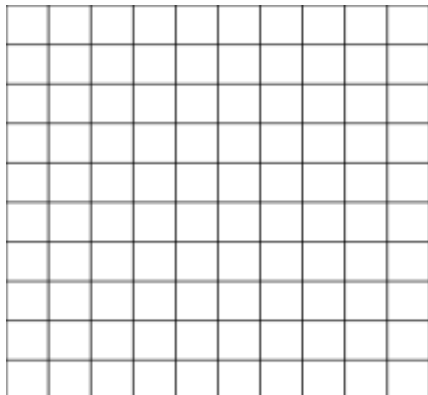
3.  $f(x) = x^2 - 8$

4.  $f(x) = 4x^2 + 16x - 2$

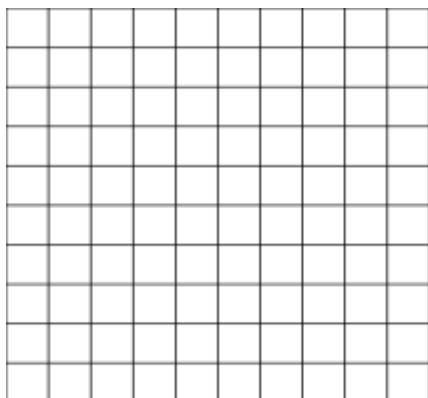
## Quadratic Functions Assignment

Graph each function using the vertex and axis of symmetry.

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



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



3.  $f(x) = -\frac{1}{2}x^2 + 8x - 2$

