

## Graphing using the Zeros and Axis of Symmetry

1. Find the zeros by setting the equation equal to zero
2. Find the axis of symmetry;  $-b/2a$
3. Label the vertex using the value of  $x$  of the axis of symmetry to find the corresponding  $y$ -value
4. Sketch the curve using the vertex and zeros

Graph:  $y = x^2 - x - 6$

**Graph:  $y = x^2 - 3x - 4$**