$$4 + {}^{2}(\xi - \chi) - = \chi [a]$$

$$^{2}(1+x)\Delta = \chi [A$$

Change from vertex to standard form

Example 3

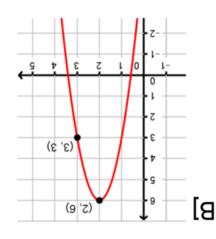


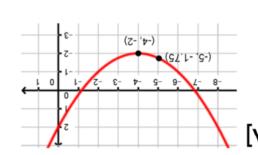
$$y = a(x - h)^2 + k$$

Axis of symmetry:

Vertex:

y-intercept:





Write the equation in vertex form

Example 2

Example 1 Graph in vertex form

A]
$$y = -2(x+2)^2 + 3$$

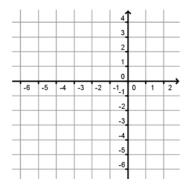
axis of symm:

vertex:

opens up or down?

slope to pt 1 unit from vertex:

y-int:



B]
$$y = \frac{1}{2}(x-4)^2 - 3$$

axis of symm:

vertex:

opens up or down?

slope to pt 1 unit from vertex:

y-int:

