Algebra II   Name _____
Quadratics #1

Identify the vertex, the axis of symmetry, the maximum or minimum value, the transformations
and the domain and range of each function. Sketch.

1) $f(x) = (x + 3)^2 - 2$ 2) $f(x) = -(x - 4)^2 + 3$

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

5) $f(x) = 2(x)^2 - 5$ 6) $f(x) = -\frac{1}{4}(x - 3)^2$