

## Finding Vertex from Standard Form

Date \_\_\_\_\_ Period \_\_\_\_\_

**CLASS EXAMPLES: Find the vertex of each parabola, then write the equation in vertex form.**

1)  $y = x^2 - 6x + 7$

2)  $y = 3x^2 - 24x + 51$

**Find the vertex of each parabola, then write the equation in vertex form.**

3)  $y = -2x^2 + 4x - 6$

4)  $y = -2x^2 - 16x - 35$

5)  $y = x^2 + 6x + 6$

6)  $y = -x^2 + 2x - 3$

7)  $y = -3x^2 + 12x - 16$

8)  $y = -2x^2 - 4x - 6$

9)  $y = 2x^2 + 4x + 4$

10)  $y = x^2 - 8x + 13$

11)  $y = 2x^2 - 16x + 33$

12)  $y = x^2 - 2x + 4$