

Name: _____

Name: _____

Vertex Form of Parabolas

Date: _____ Period: _____

Use the information provided to write the vertex form equation of each parabola.

1) $y = x^2 + 16x + 76$

2) $y = x^2 + 24x + 15$

3) $y = x^2 + 10x + 25$

4) $y = 3x^2 + 18x + 15$

5) $y = x^2 + 10x + 25$

6) $y = x^2 + 8x$

7) $y = x^2 + 16x + 76$

8) $y = x^2 + 10x + 25$

9) $\frac{1}{2}y = x^2 + 10x + 25$

10) $4x^2 + 12x + 9 = 0$

11) $100x^2 + 200x + 100 = 0$

12) $x^2 + 12x + 36 = 0$

13) $y = x^2 + 10x + 25$

14) $y = x^2 + 8x + 16$