

Section 7.5 WS I

Date _____ Period _____

Identify the vertex and axis of symmetry of each.

1) $y - 5 = -2x^2$

2) $y - 4 = -(x + 10)^2$

3) $y - 5 = 2(x - 8)^2$

4) $y + 10 = -(x - 2)^2$

Identify the vertex and axis of symmetry of each and Graph.

5) $y = x^2$

6) $y = -2x^2$

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

8) $y - 4 = 2(x - 5)^2$

$$9) y - 2 = -(x + 1)^2$$

$$10) y + 4 = 3(x - 5)^2$$

$$11) y - 3 = -2(x + 6)^2$$

$$12) y + 2 = 6(x + 4)^2$$

$$13) y + 6 = (x - 6)^2 - 6$$

$$14) y + 1 = (x + 5)^2$$