

Assignment

Date _____ Period _____

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Tell the transformations for quadratic from the parent function $y=x^2$

1) $y = -4(x - 6)^2 - 1$

2) $y = -(x - 9)^2 - 3$

3) $y = 2(x - 4)^2$

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

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

6) $y = -\frac{1}{11}(x - 9)^2 + 2$

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

8) $y = 2(x - 9)^2 - 3$

9) $y = 9(x - 7)^2 - 10$

10) $y = 2(x + 9)^2 - 6$

11) $y = (x + 7)^2 - 4$

12) $y = 3(x - 2)^2 - 2$

$$13) y = -(x - 7)^2 - 3$$

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

$$15) y = -\frac{1}{3}(x + 10)^2 - 4$$

$$16) y = -4(x - 10)^2 + 8$$

$$17) y = -\frac{1}{2}(x - 10)^2 + 6$$

$$18) y = -3(x + 4)^2 - 6$$

$$19) y = -\frac{1}{4}(x + 1)^2 + 7$$

$$20) y = -(x + 7)^2 + 6$$

$$21) y = 2(x + 1)^2 - 9$$

$$22) y = (x - 10)^2 - 6$$

$$23) y = (x - 2)^2 + 9$$

$$24) y = 8(x + 4)^2 + 8$$

$$25) y = -2(x + 5)^2 + 3$$