

Quadratic Transformations

Date _____

Identify the transformation of each quadratic function.

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

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

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

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

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

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

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

8) $y = (x - 1)^2 - 1$

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

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

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

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

$$13) \ y = (x + 3)^2 + 4$$

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

$$15) \ y = (x + 3)^2 - 1$$

$$16) \ y = -2(x + 3)^2 + 1$$

$$17) \ y = -(x + 2)^2 + 1$$

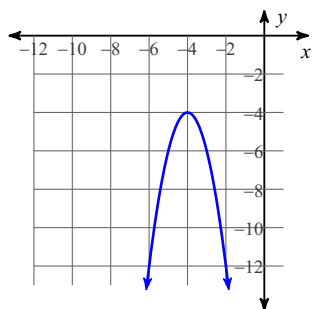
$$18) \ y = 3(x + 3)^2 + 2$$

$$19) \ y = 2(x + 4)^2 + 4$$

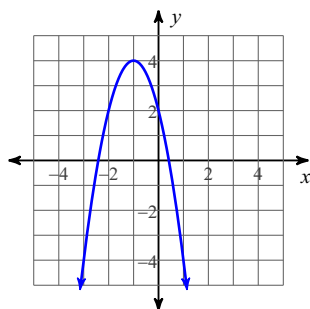
$$20) \ y = -(x + 1)^2 + 1$$

Answers to Quadratic Transformations

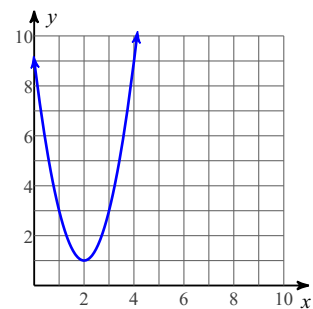
1)



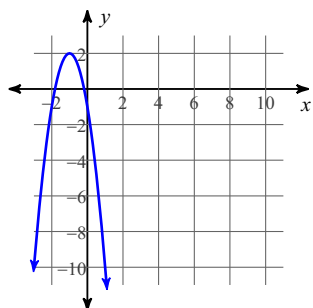
2)



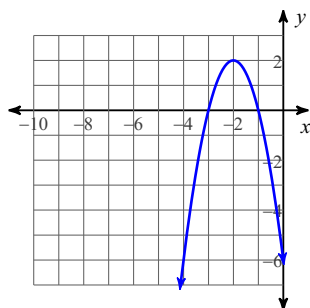
3)



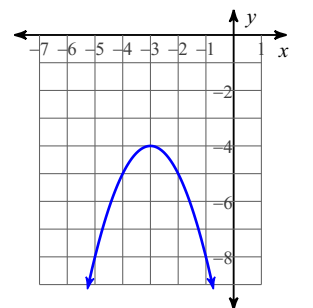
4)



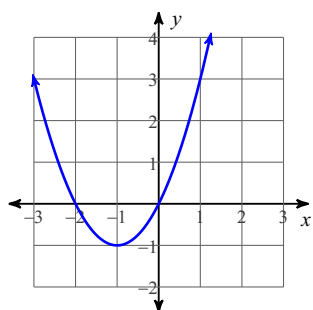
5)



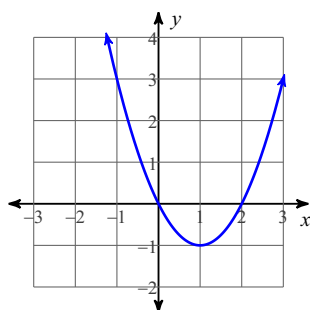
6)



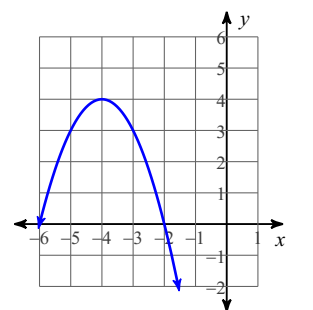
7)



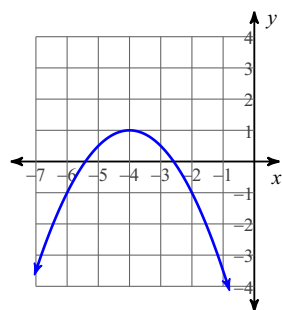
8)



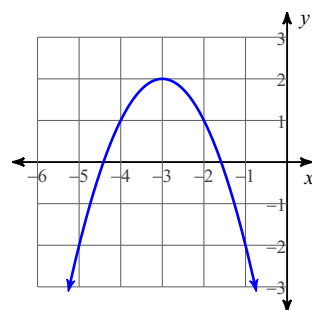
9)



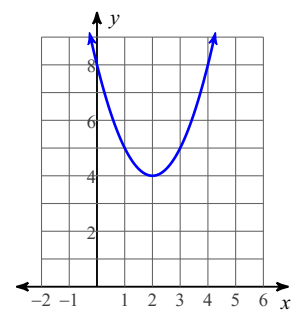
10)



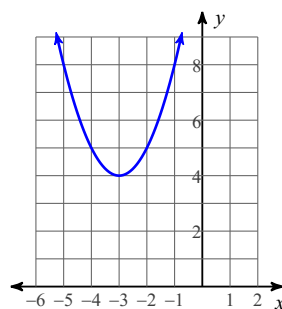
11)



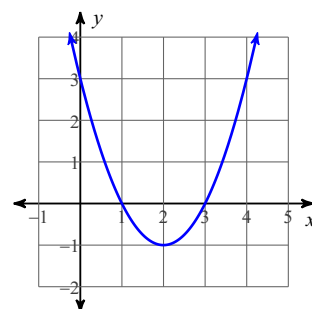
12)



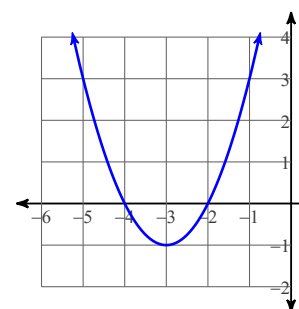
13)



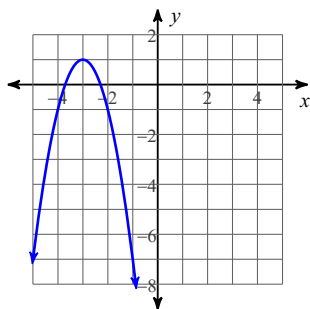
14)



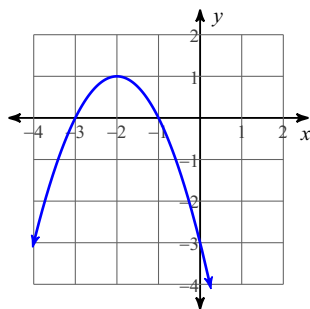
15)



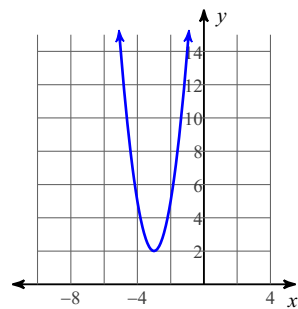
16)



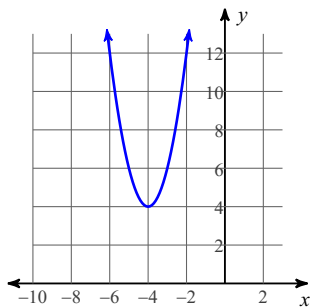
17)



18)



19)



20)

