

Quadratics in Standard Form - Sketching & Properties

Sketch the graph of each function and list the properties (domain, range, variation & signs)

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

2) $f(x) = -2(x - 1)^2 - 1$

3) $f(x) = -(x + 2)^2 + 2$

4) $f(x) = -(x - 4)^2 + 3$

$$5) f(x) = -2(x + 3)^2 - 3$$

$$6) f(x) = (x - 3)^2 + 1$$

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

$$8) f(x) = -2(x + 3)^2 + 1$$

$$9) f(x) = (x + 2)^2 + 3$$

$$10) f(x) = (x - 4)^2 - 4$$

$$11) f(x) = -2(x + 4)^2 + 2$$

$$12) f(x) = -(x + 2)^2 - 3$$

$$13) f(x) = -(x - 1)^2 + 3$$

$$14) f(x) = -(x - 3)^2 + 4$$

$$15) f(x) = (x - 1)^2 + 4$$

$$16) f(x) = -3(x + 4)^2 + 1$$

$$17) f(x) = -\frac{1}{2}(x-4)^2 + 2$$

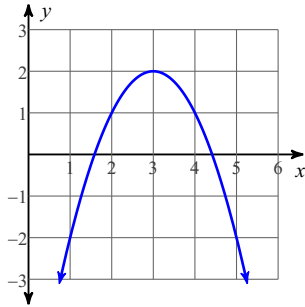
$$18) f(x) = 2(x-2)^2 - 1$$

$$19) f(x) = -(x-2)^2 + 3$$

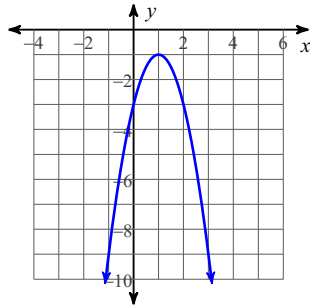
$$20) f(x) = 2(x-4)^2 + 3$$

Answers to Quadratics in Standard Form - Sketching & Properties (ID: 1)

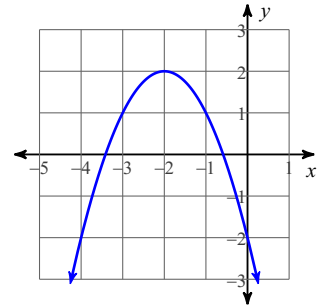
1)



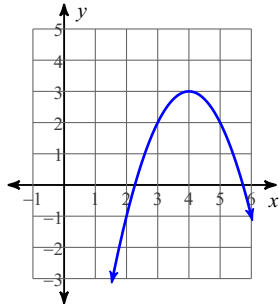
2)



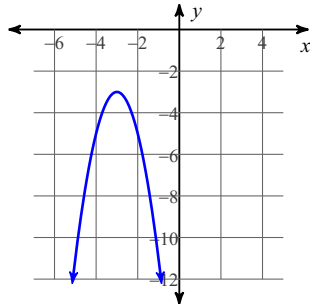
3)



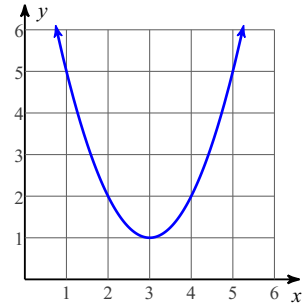
4)



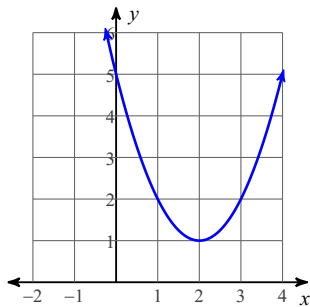
5)



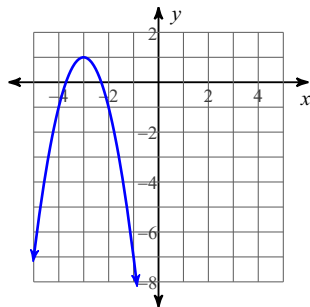
6)



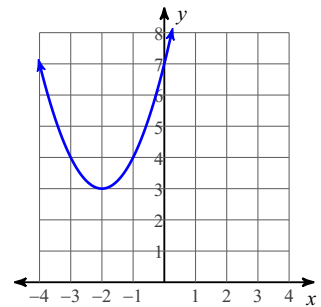
7)



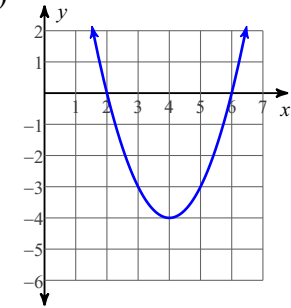
8)



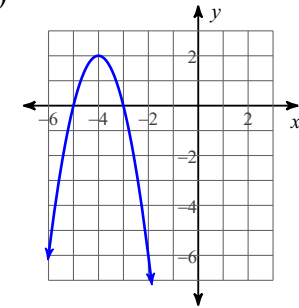
9)



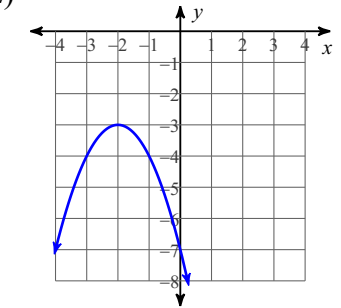
10)



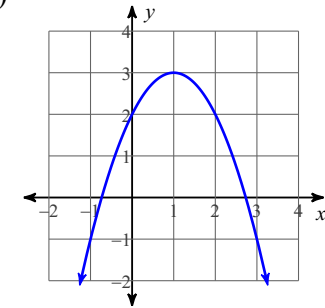
11)



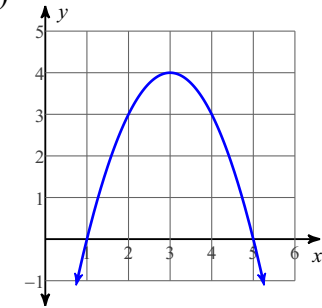
12)



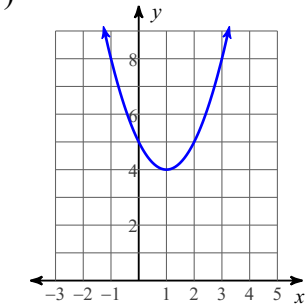
13)



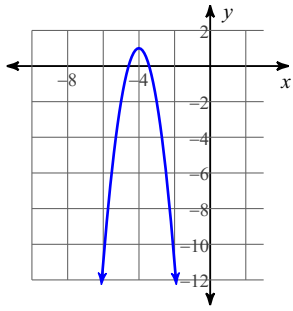
14)



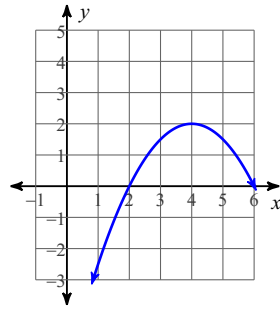
15)



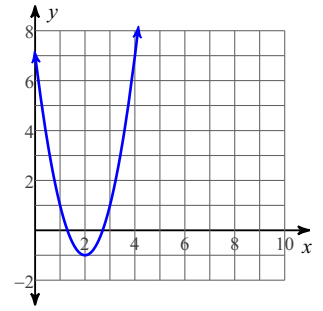
16)



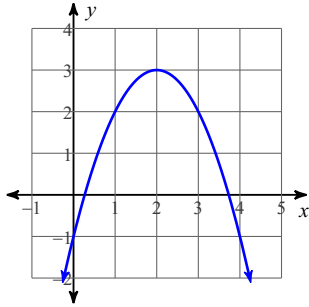
17)



18)



19)



20)

