

## General to Standard Form

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**Write each of the following in vertex form.**

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

2)  $f(x) = -2x^2 + 8x - 10$

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

4)  $f(x) = 2x^2 - 16x + 28$

$$5) f(x) = 2x^2 - 8x + 4$$

$$6) f(x) = -2x^2 - 16x - 28$$

$$7) f(x) = x^2 - 6x + 5$$

$$8) f(x) = x^2 + 4x + 5$$

$$9) f(x) = -3x^2 + 6x$$

$$10) f(x) = -x^2 + 6x - 11$$

$$11) y = \frac{1}{3}x^2 - x + 4$$

$$12) y = 2x^2 - 10x + 13$$

$$13) y = \frac{1}{2}x^2 - \frac{7}{2}x + \frac{17}{8}$$

$$14) y = -\frac{1}{2}x^2 - \frac{5}{2}x - 1$$

$$15) y = \frac{1}{2}x^2 + \frac{3}{2}x$$

$$16) y = 2x^2 - 2x - 2$$

$$17) y = x^2 - x + 3$$

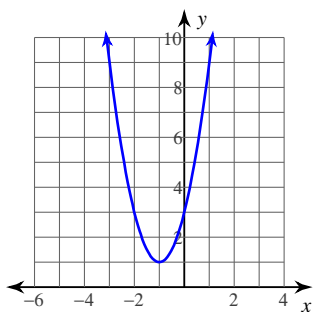
$$18) y = \frac{1}{2}x^2 + \frac{9}{2}x + 6$$

$$19) y = x^2 + 7x + \frac{57}{4}$$

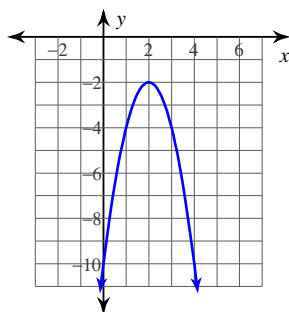
$$20) y = -\frac{1}{2}x^2 + \frac{3}{2}x - 5$$

# Answers to General to Standard Form (ID: 1)

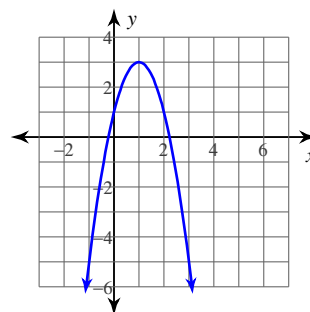
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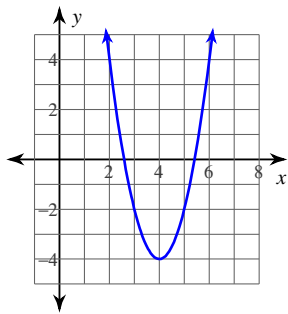
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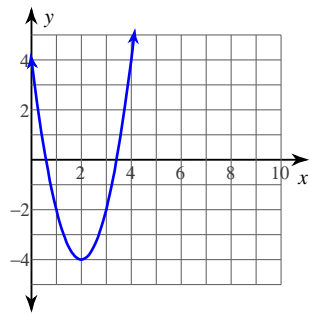
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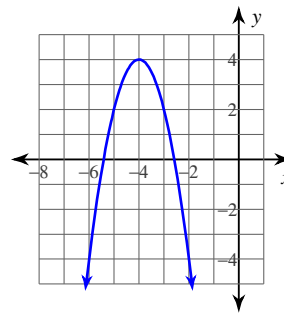
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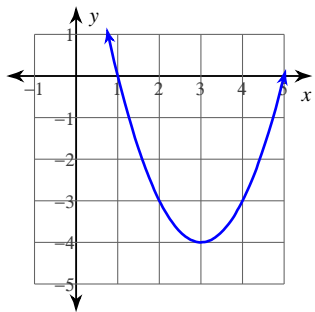
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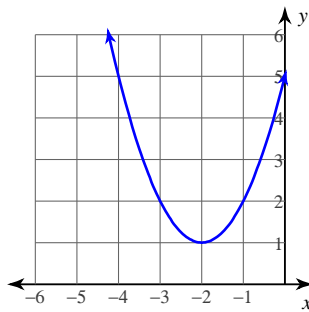
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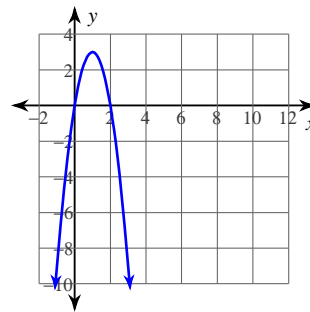
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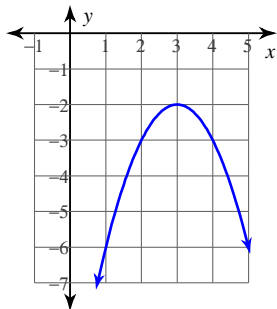
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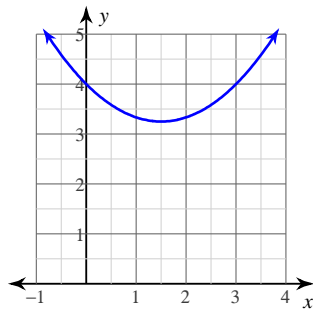
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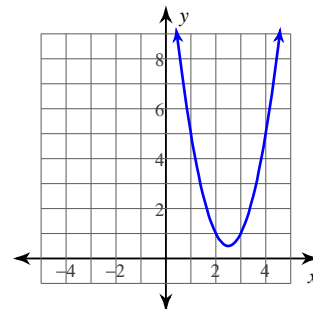
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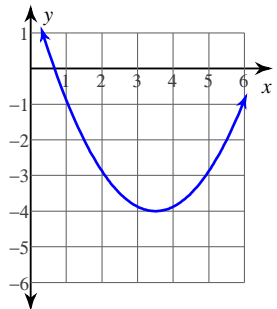
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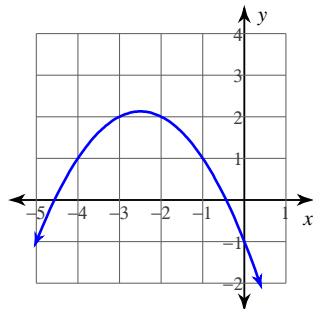
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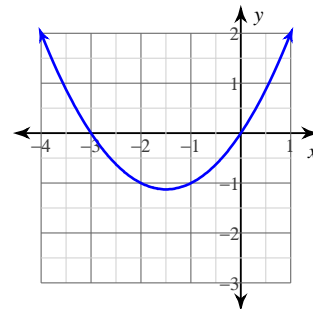
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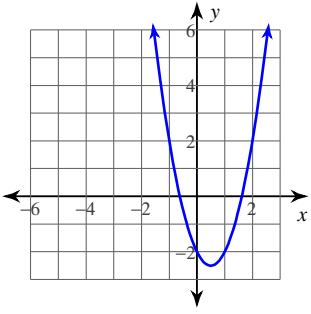
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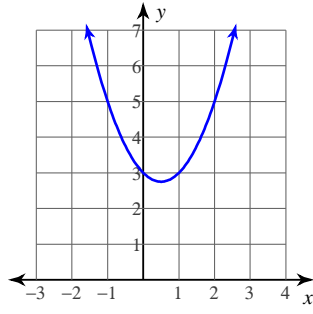
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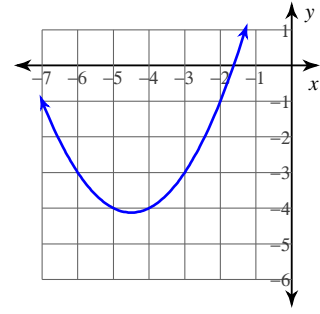
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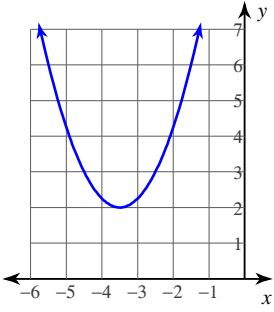
17)



18)



19)



20)

