

Finding the Vertex of a Parabola Using The Vertex Formula

Date _____

FIND THE VERTEX USING THE VERTEX FORMULA

1) $y = 3x^2 + 24x + 49$

2) $y = x^2 + 4x + 5$

3) $y = 2x^2 + 12x + 16$

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

5) $y = 2x^2 + 12x + 14$

6) $y = -2x^2 - 16x - 35$

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

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

9) $y = -2x^2 - 8x - 11$

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

$$11) y = x^2 + 2x + 3$$

$$12) y = -x^2 - 2x - 4$$

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

$$14) y = -2x^2 + 4x + 1$$

$$15) y = 2x^2 + 12x + 22$$

$$16) y = 2x^2 + 8x + 5$$

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

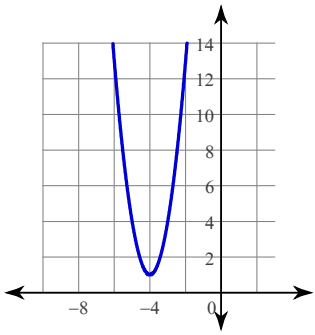
$$18) y = -x^2 + 2x - 3$$

$$19) y = -2x^2 + 8x - 12$$

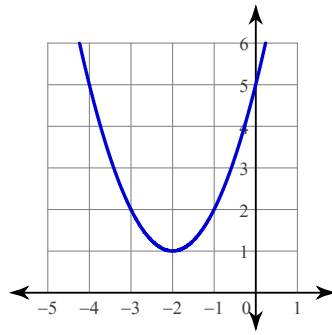
$$20) y = -2x^2 + 8x - 5$$

Answers to Finding the Zeros of a Parabola Using The Quadratic Formula

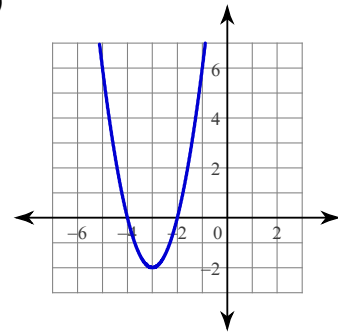
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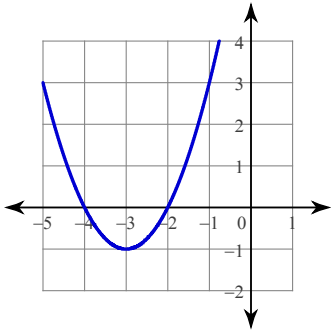
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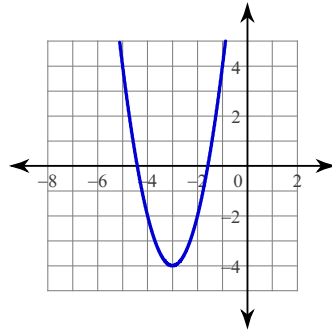
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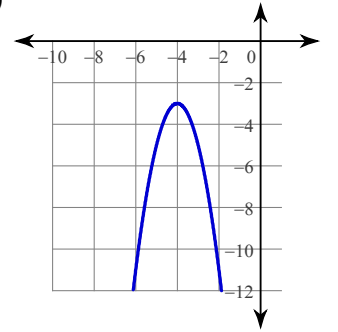
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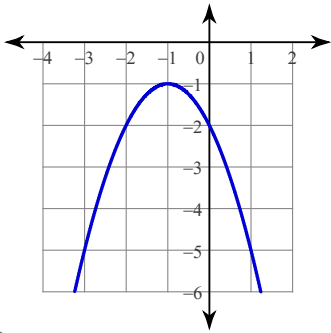
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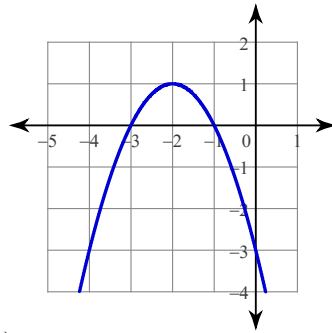
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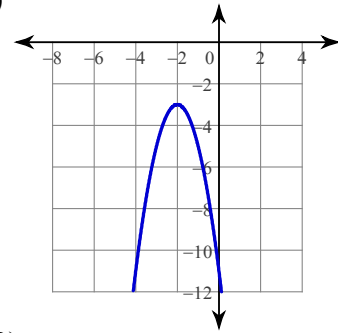
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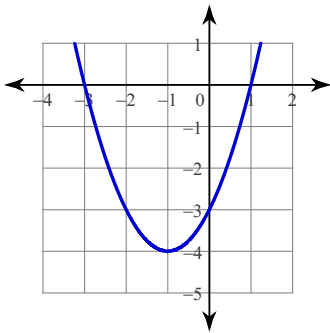
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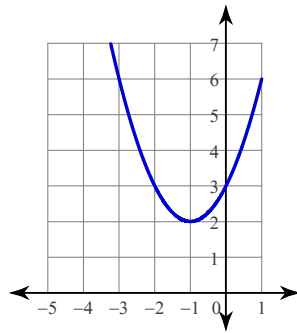
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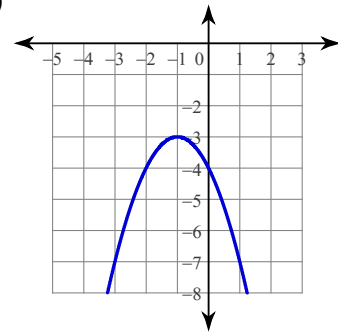
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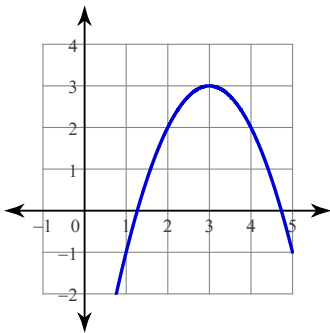
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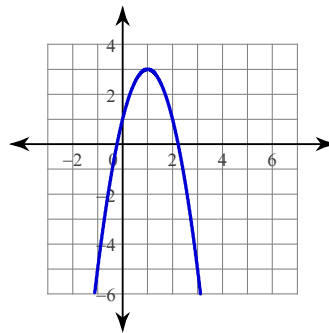
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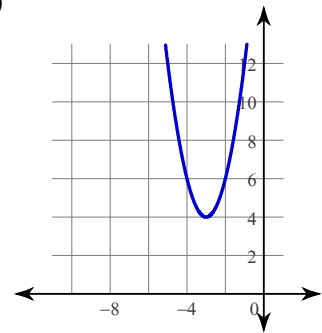
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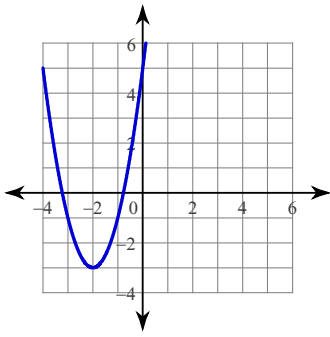
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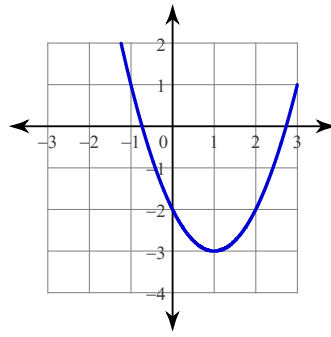
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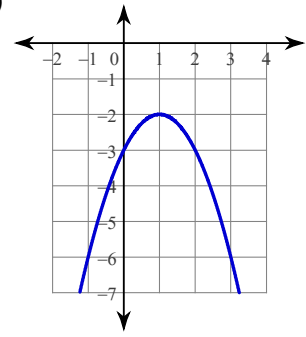
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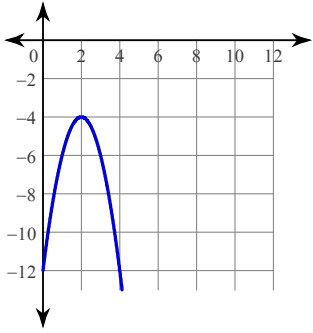
17)



18)



19)



20)

