

Graphing Quadratics

Sketch the graph of each function.

1) $y = 2x^2 + 16x + 33$

3) $y = 2x^2 + 16x + 36$

5) $y = x^2 - 6x + 12$

7) $y = -2x^2 - 14x - 23$

9) $y = 4x^2 + 20x + 27$

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

2) $y = 3x^2 + 6x + 2$

4) $y = -2x^2 - 16x - 30$

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

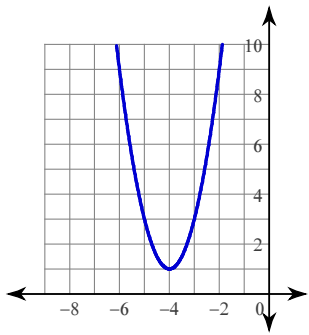
8) $y = -4x^2 - 36x - 84$

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

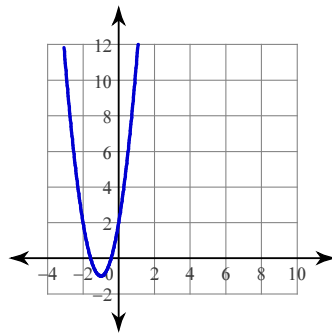
12) $y = -\frac{1}{2}x^2 + \frac{1}{2}x - 1$

Answers to Graphing Quadratics (ID: 1)

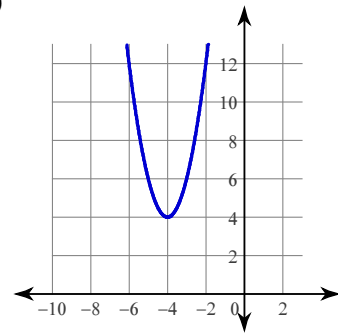
1)



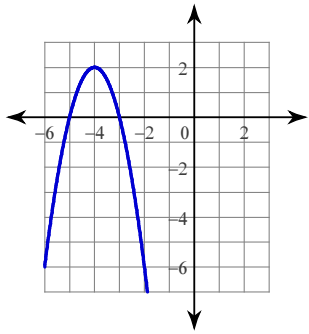
2)



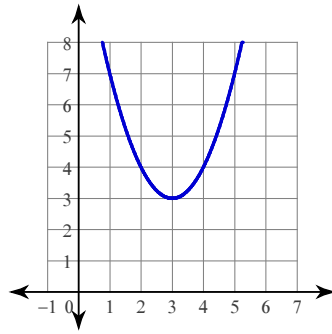
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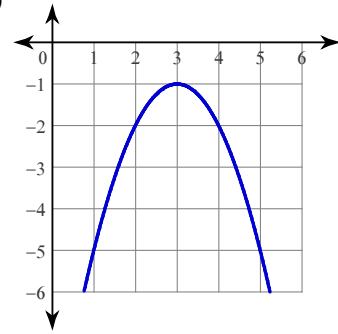
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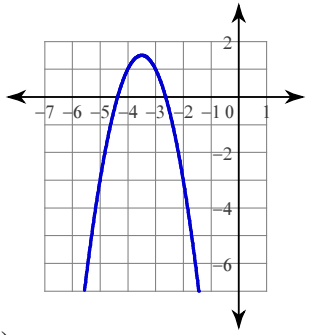
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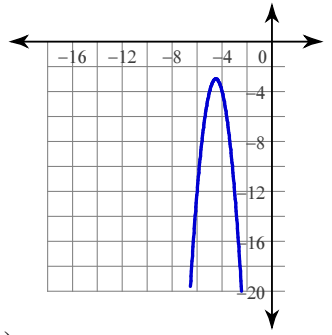
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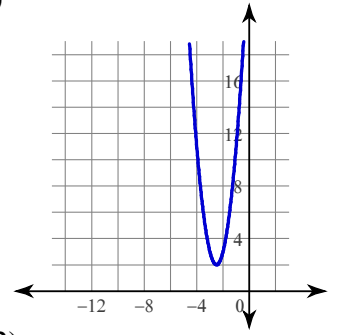
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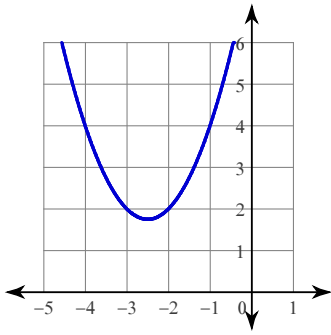
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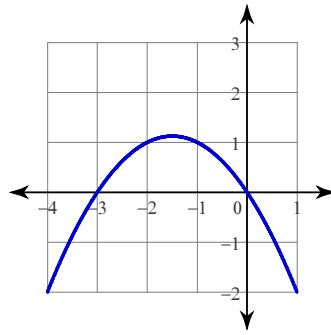
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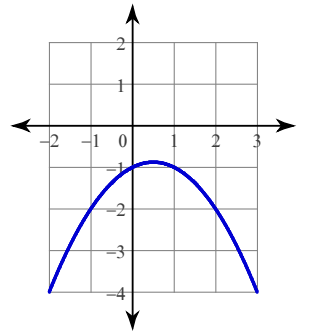
10)



11)



12)



Graphing Quadratics

Sketch the graph of each function.

1) $y = x^2 + 6x + 7$

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

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

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

9) $y = -2x^2 + 14x - 22$

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

2) $y = -x^2 + 8x - 18$

4) $y = -2x^2 - 8x - 12$

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

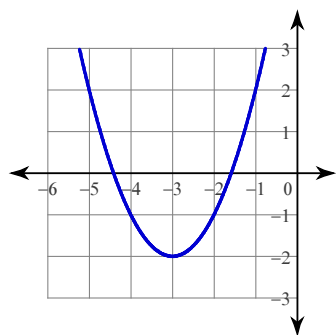
8) $y = x^2 + 5x + 7$

10) $y = -x^2 - 5x - \frac{21}{4}$

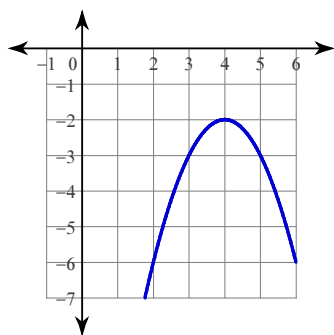
12) $y = -x^2 - 5x - 8$

Answers to Graphing Quadratics (ID: 2)

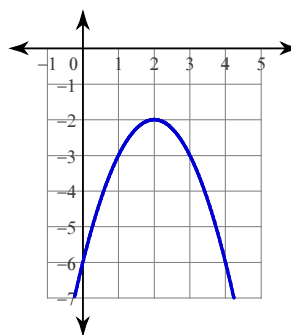
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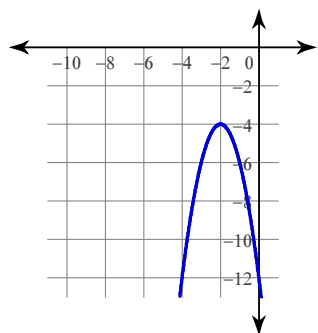
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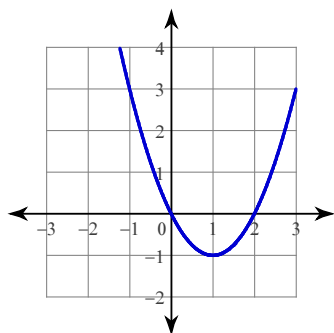
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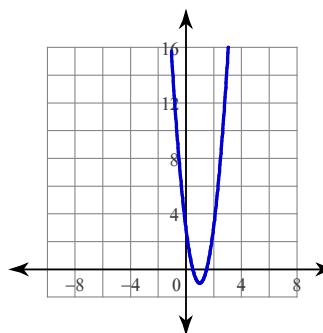
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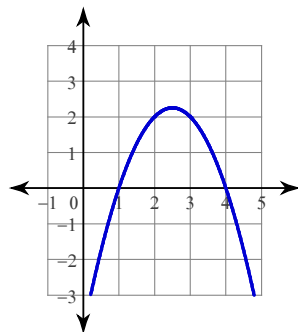
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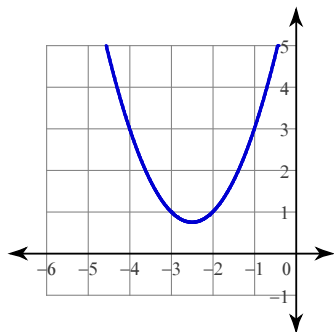
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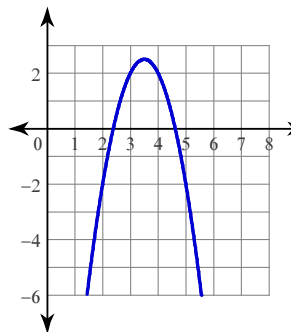
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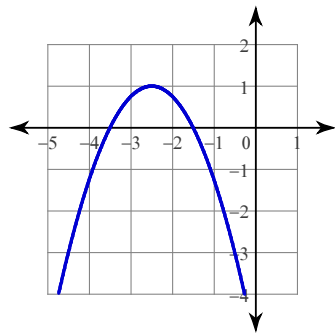
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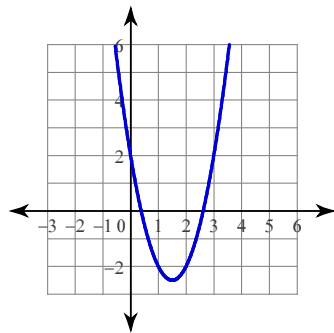
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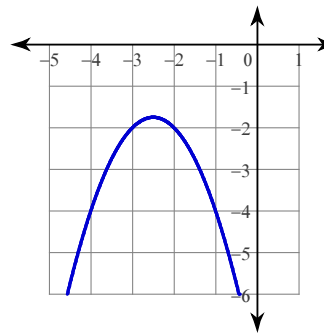
10)



11)



12)



Graphing Quadratics

Sketch the graph of each function.

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

3) $y = -x^2 + 8x - 14$

5) $y = 2x^2 + 4x + 3$

7) $y = -2x^2 - 18x - \frac{83}{2}$

9) $y = -3x^2 + 15x - 21$

11) $y = -2x^2 - 18x - \frac{79}{2}$

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

4) $y = x^2 + 8x + 15$

6) $y = x^2 + 4x + 1$

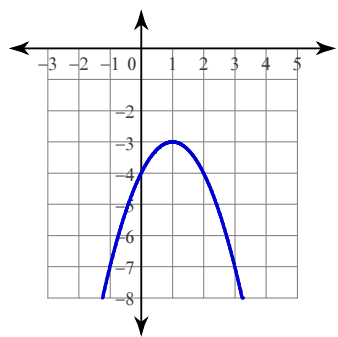
8) $y = -x^2 + 3x + 1$

10) $y = x^2 + 5x + \frac{13}{4}$

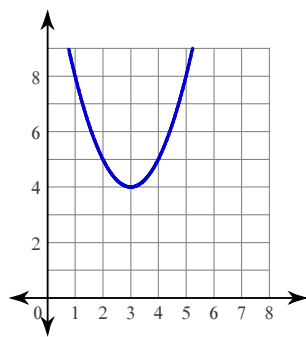
12) $y = -3x^2 - 21x - 34$

Answers to Graphing Quadratics (ID: 3)

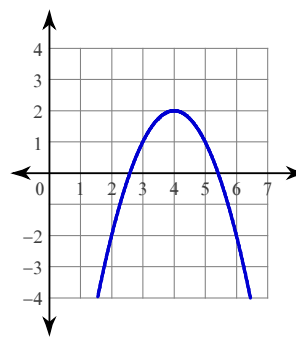
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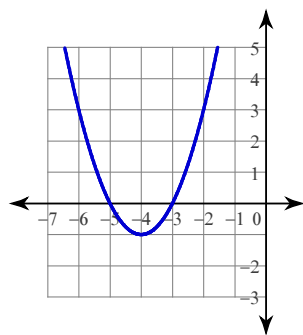
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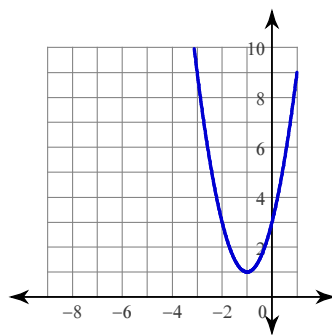
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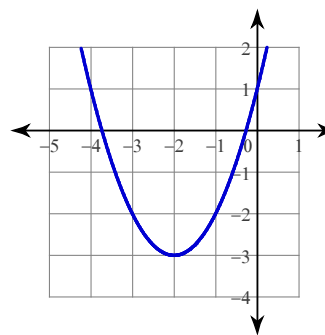
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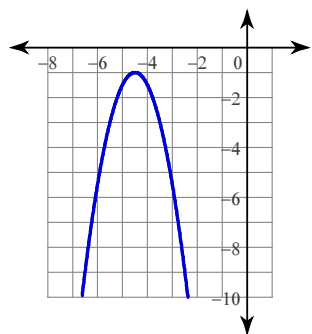
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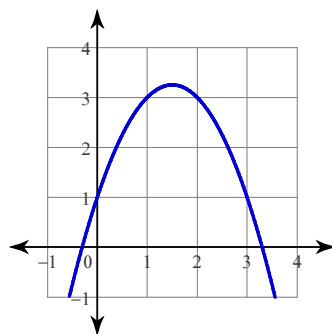
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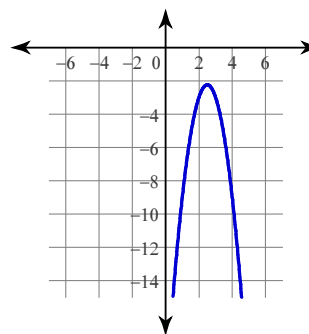
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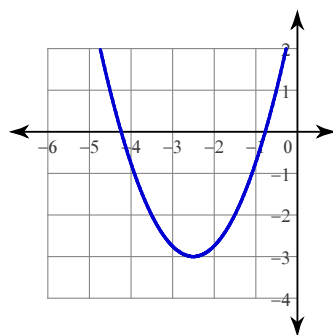
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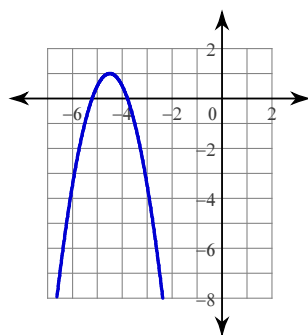
9)



10)



11)



12)

