

Q1P3 - Graphing Linear & Quadratic Functions

Date _____ Period _____

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Sketch the graph of each line. TIP: put in $y = f(x) = mx + b$ Form.

1) $x + y = -2$

2) $2x - y = 2$

3) $2x - 5y = 20$

4) $2x + y = -3$

5) $5x - y = -1$

6) $x + 4y = 8$

7) $x + 3y = 0$

8) $x = -3$

9) $2x - y = -4$

10) $x = 4$

11) $7x - 5y = 25$

12) $y = 2$

Sketch the graph of each function. These are in Vertex Form.

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

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

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

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

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

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

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

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

Sketch the graph of each function. These are in Standard Form.

21) $y = -x^2 - 8x - 15$

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

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

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

25) $y = -2x^2 + 8x - 10$

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

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

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

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

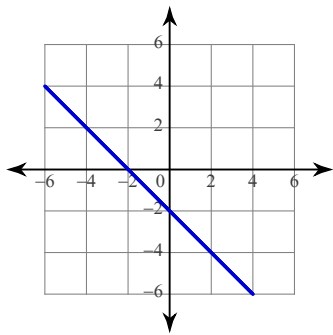
30) $y = -\frac{1}{2}x^2 - 4x - 6$

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

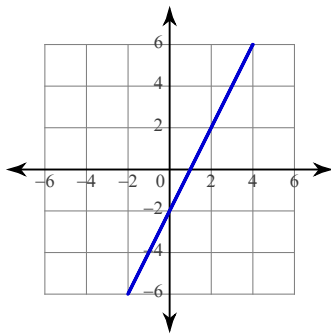
32) $y = \frac{1}{2}x^2 + 4x + 6$

Answers to Q1P3 - Graphing Linear & Quadratic Functions (ID: 1)

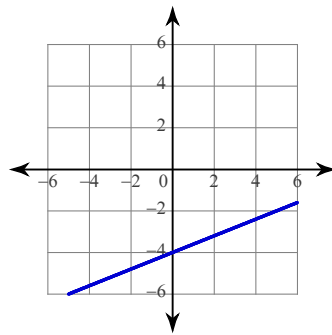
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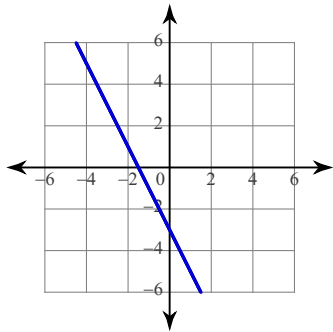
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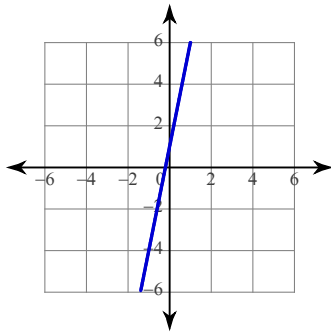
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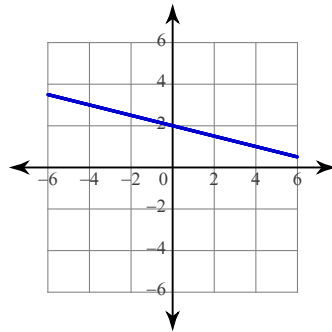
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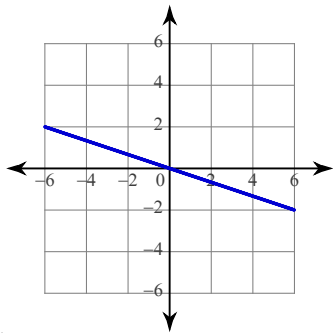
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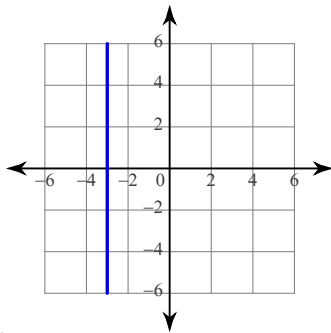
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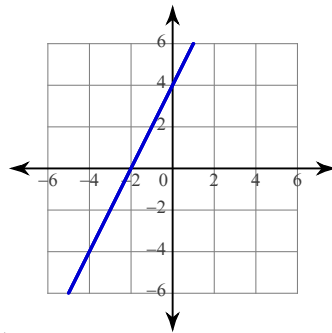
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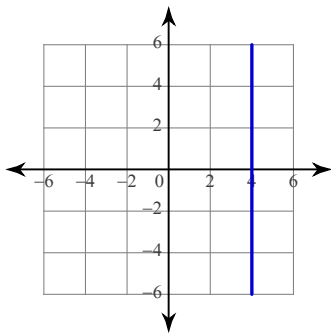
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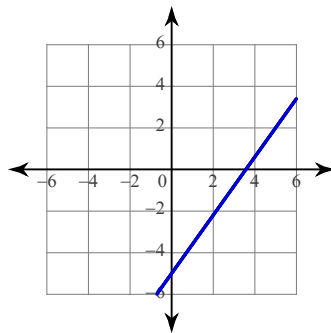
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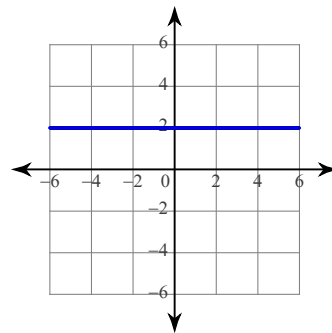
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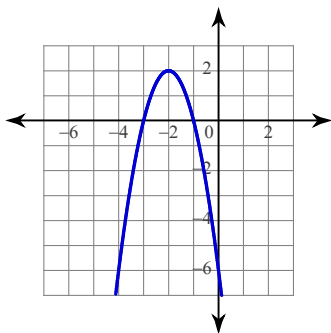
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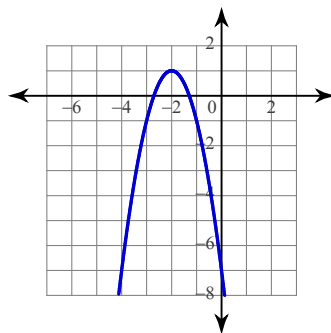
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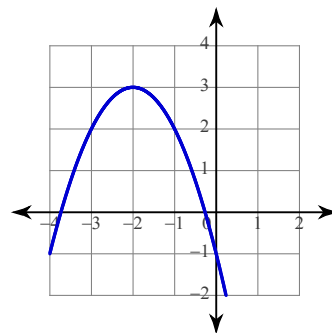
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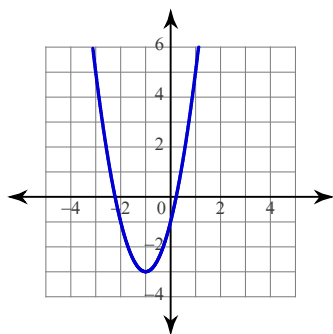
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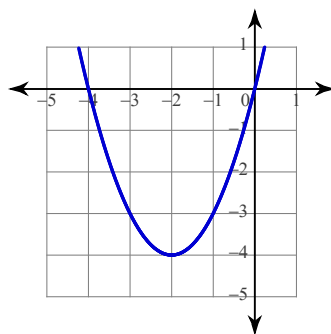
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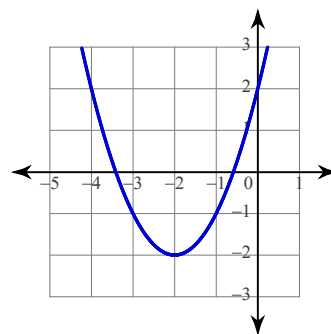
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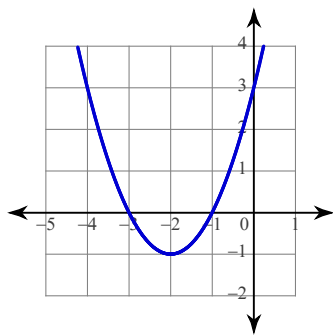
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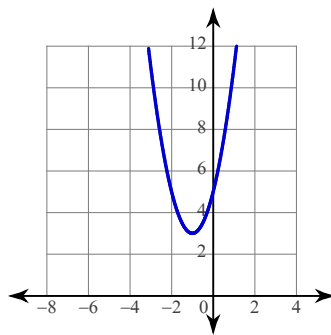
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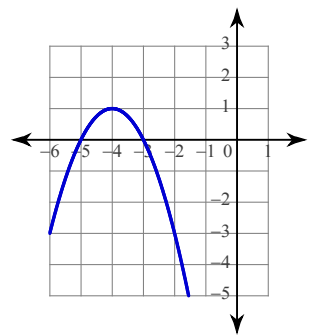
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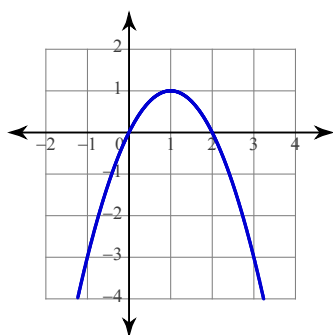
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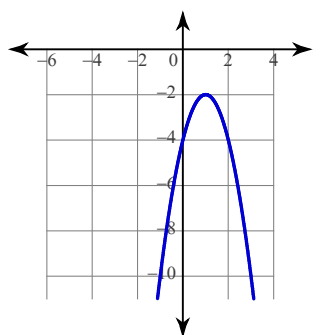
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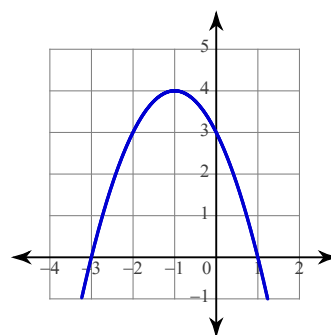
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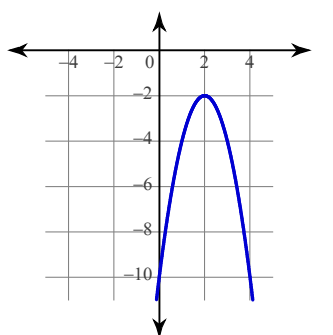
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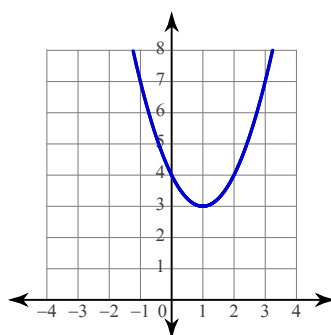
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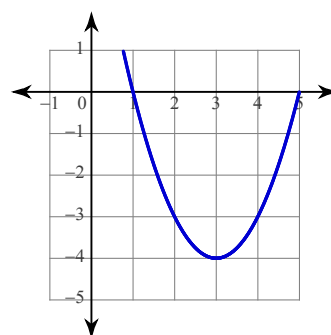
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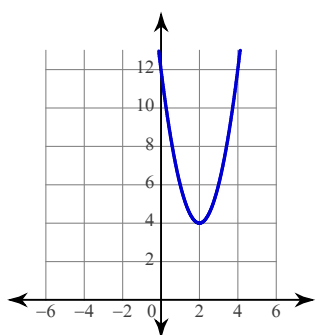
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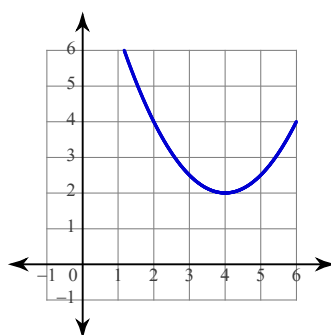
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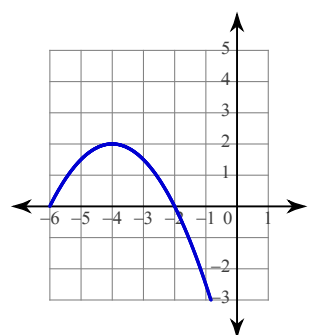
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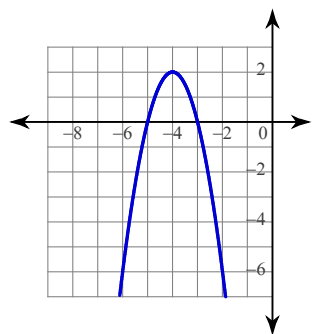
29)



30)



31)



32)

