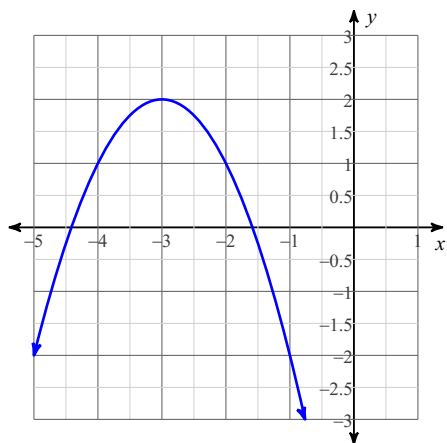


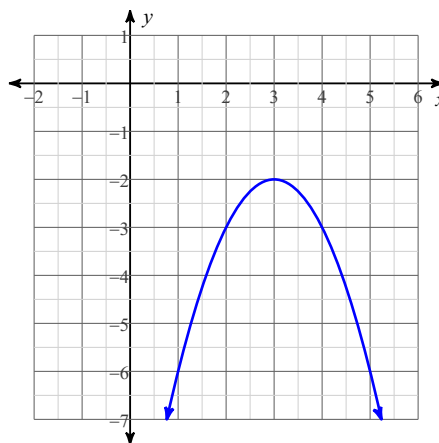
Writing Equations of Quadratic Relations from Graphs.

Use the information provided to write the vertex form equation of each parabola.

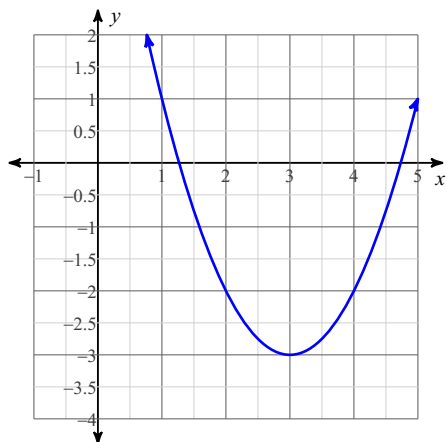
1)



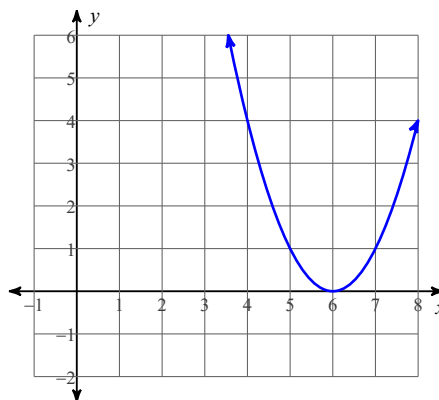
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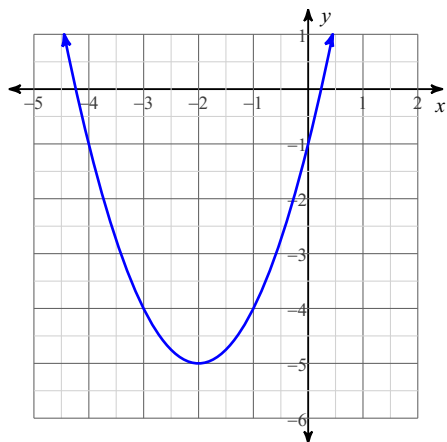
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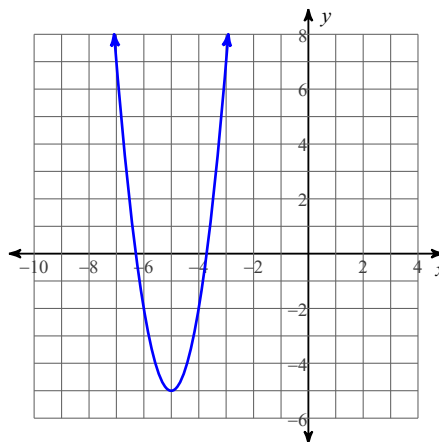
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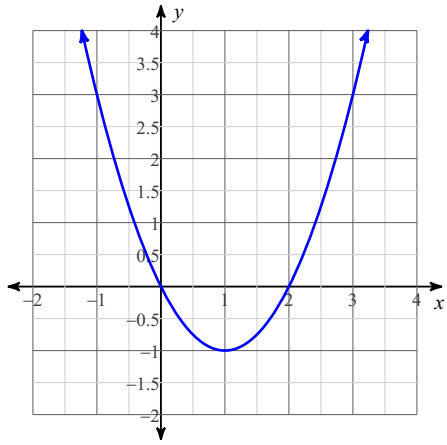
5)



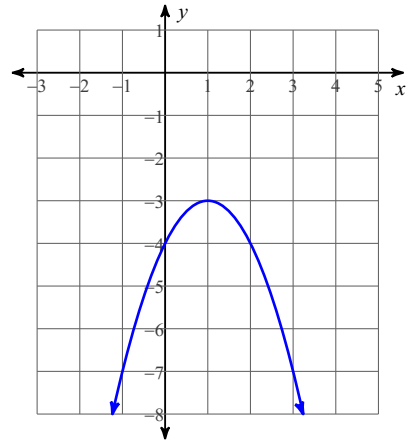
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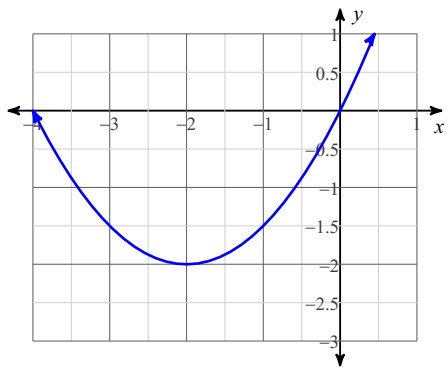
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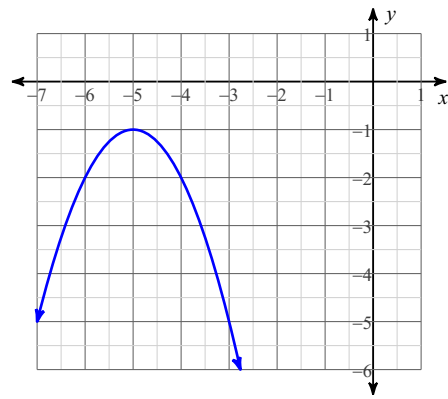
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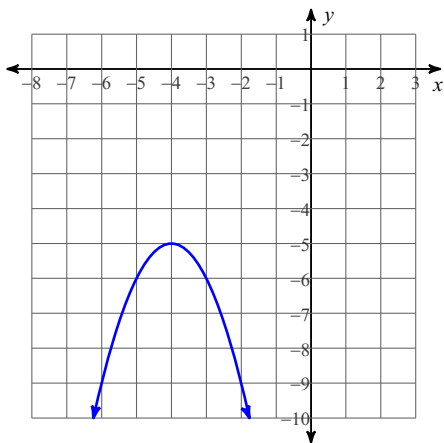
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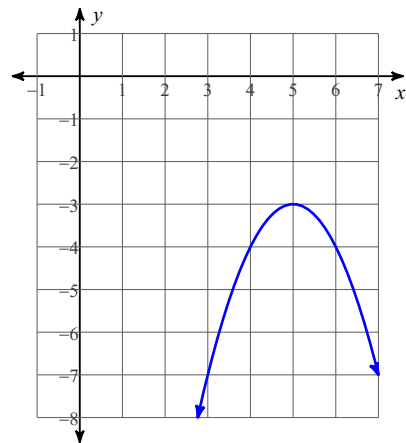
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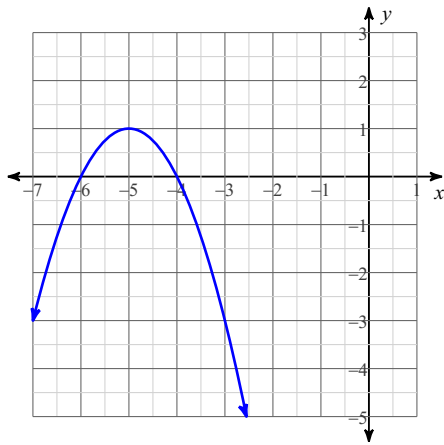
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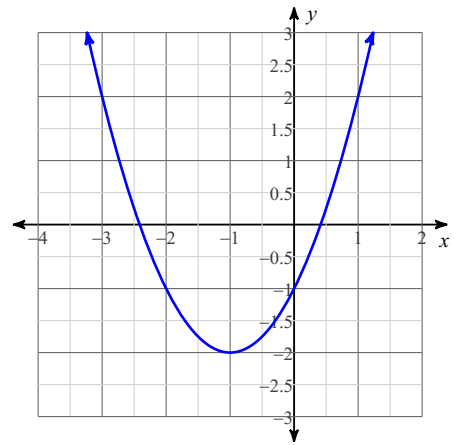
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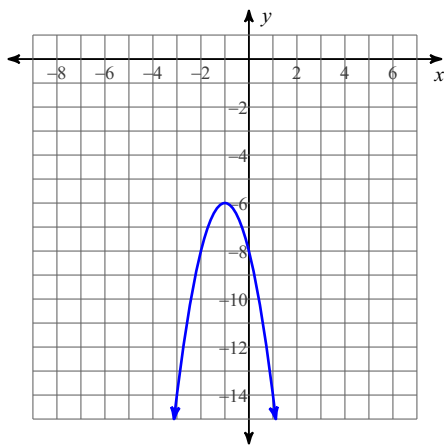
13)



14)



15)



Answers to Writing Equations of Quadratic Relations from Graphs.

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

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

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

4) $y = (x - 6)^2$

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

6) $y = 3(x + 5)^2 - 5$

7) $y = (x - 1)^2 - 1$

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

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

10) $y = -(x + 5)^2 - 1$

11) $y = -(x + 4)^2 - 5$

12) $y = -(x - 5)^2 - 3$

13) $y = -(x + 5)^2 + 1$

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

15) $y = -2(x + 1)^2 - 6$