

## Graphing Quadratic Functions

Period \_\_\_\_\_ Group \_\_\_\_\_

For each quadratic a) Find the Axis of Symmetry b) Find the Vertex c) Set up a table of values with 5 points d) sketch the graph e) approximate the roots

1)  $y = 3x^2 - 12x + 15$

2)  $y = -3x^2 - 24x - 45$

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

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

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

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

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

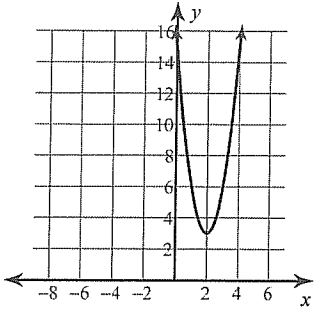
8)  $y = -x^2 - 6x - 7$

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

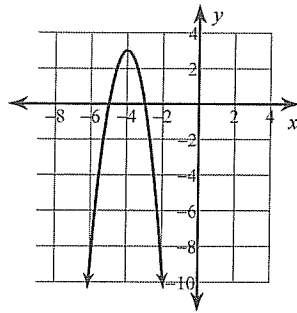
10)  $y = -2x^2 + 4x$

# Answers to Graphing Quadratic Functions (ID: 1)

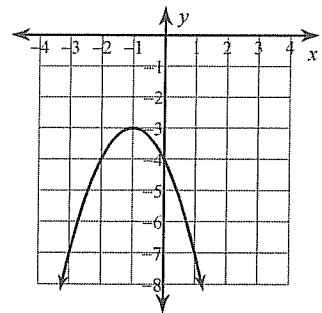
1)



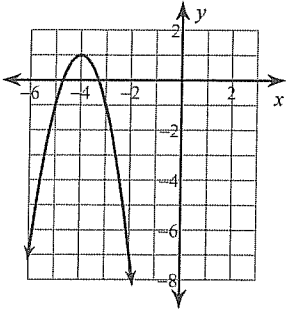
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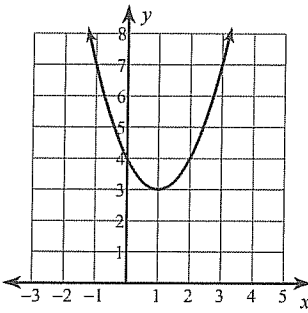
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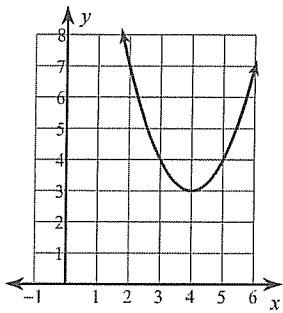
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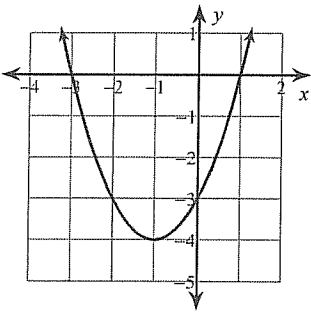
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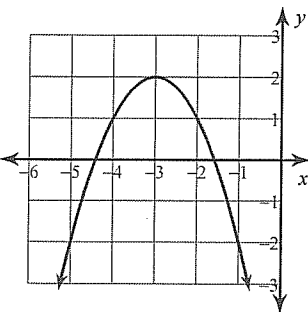
6)



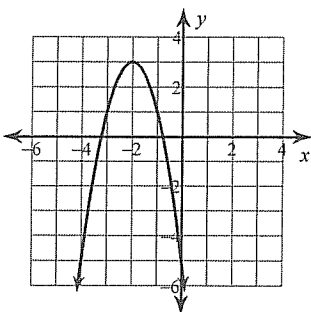
7)



8)



9)



10)

