

Graphing Quadratic Functions

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

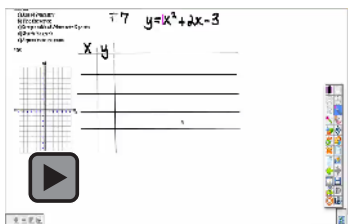
4) $y = -2x^2 - 16x - 31$

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

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

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

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

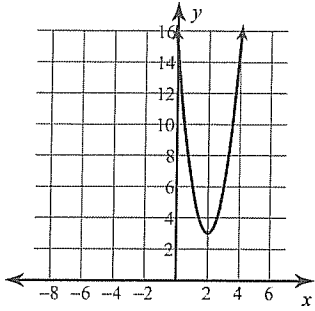


9) $y = -2x^2 - 8x - 5$

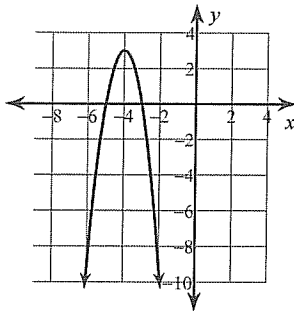
10) $y = -2x^2 + 4x$

Answers to Graphing Quadratic Functions (ID: 1)

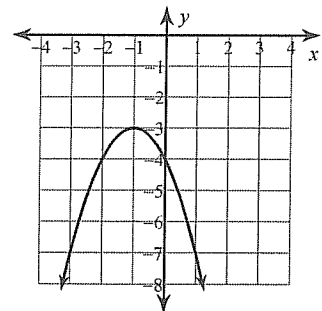
1)



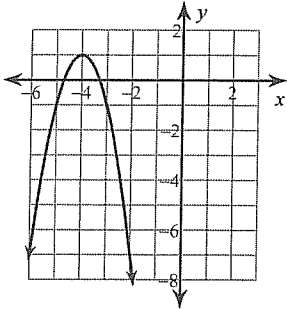
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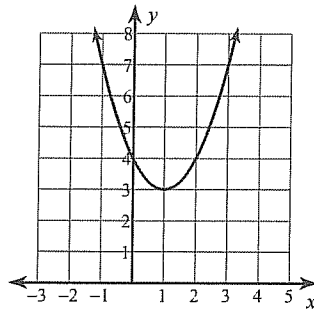
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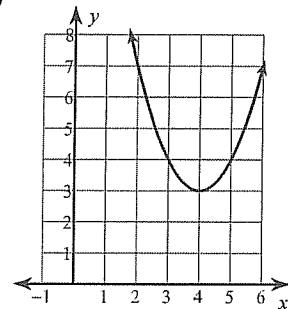
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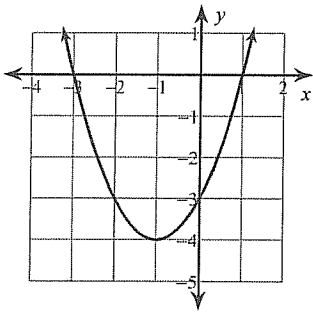
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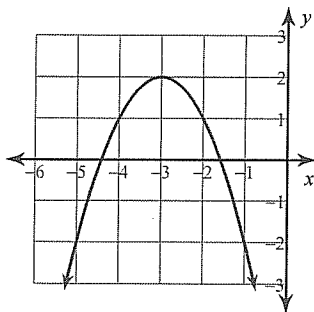
6)



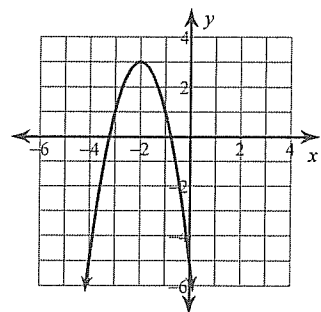
7)



8)



9)



10)

