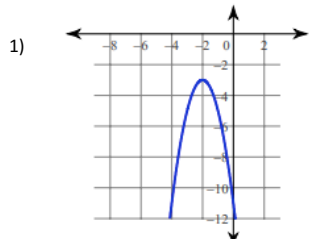
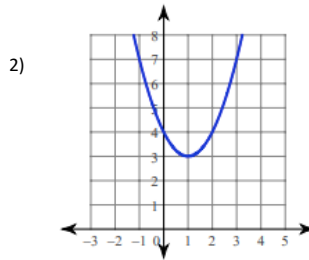


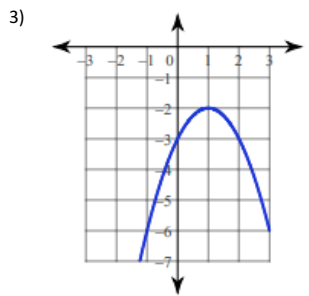
Math 2: Analyzing Quadratics



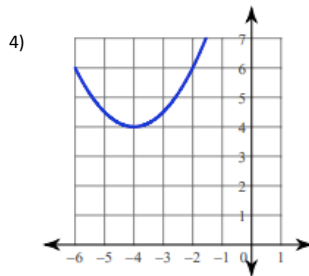
	Inequality	Interval Notation
Domain		
Range		
Increasing		
Decreasing		
End Behavior	$x \rightarrow +\infty, y \rightarrow$	$x \rightarrow -\infty, y \rightarrow$



	Inequality	Interval Notation
Domain		
Range		
Increasing		
Decreasing		
End Behavior	$x \rightarrow +\infty, y \rightarrow$	$x \rightarrow -\infty, y \rightarrow$



	Inequality	Interval Notation
Domain		
Range		
Increasing		
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	Inequality	Interval Notation
Domain		
Range		
Increasing		
Decreasing		
End Behavior	$x \rightarrow +\infty, y \rightarrow$	$x \rightarrow -\infty, y \rightarrow$

5)  $f(x) = 2(x - 5)^2 - 10$

Identify the vertex and sketch a graph:

	Inequality	Interval Notation
Domain		
Range		
Increasing		
Decreasing		
End Behavior	$x \rightarrow +\infty, y \rightarrow$	$x \rightarrow -\infty, y \rightarrow$

7)  $h(x) = -x^2 + 10x - 9$

Identify the vertex and sketch a graph:

	Inequality	Interval Notation
Domain		
Range		
Increasing		
Decreasing		
End Behavior	$x \rightarrow +\infty, y \rightarrow$	$x \rightarrow -\infty, y \rightarrow$

9)  $f(x) = 5(x - 12)(x + 2)$

Identify the vertex and sketch a graph:

	Inequality	Interval Notation
Domain		
Range		
Increasing		
Decreasing		
End Behavior	$x \rightarrow +\infty, y \rightarrow$	$x \rightarrow -\infty, y \rightarrow$

6)  $g(x) = -\frac{1}{2}x^2 + 5$

Identify the vertex and sketch a graph:

	Inequality	Interval Notation
Domain		
Range		
Increasing		
Decreasing		
End Behavior	$x \rightarrow +\infty, y \rightarrow$	$x \rightarrow -\infty, y \rightarrow$

8)  $y = 0.25x^2 + 2x + 8$

Identify the vertex and sketch a graph:

	Inequality	Interval Notation
Domain		
Range		
Increasing		
Decreasing		
End Behavior	$x \rightarrow +\infty, y \rightarrow$	$x \rightarrow -\infty, y \rightarrow$

10)  $A(x) = -(x + 1)(x + 9)$

Identify the vertex and sketch a graph:

	Inequality	Interval Notation
Domain		
Range		
Increasing		
Decreasing		
End Behavior	$x \rightarrow +\infty, y \rightarrow$	$x \rightarrow -\infty, y \rightarrow$