

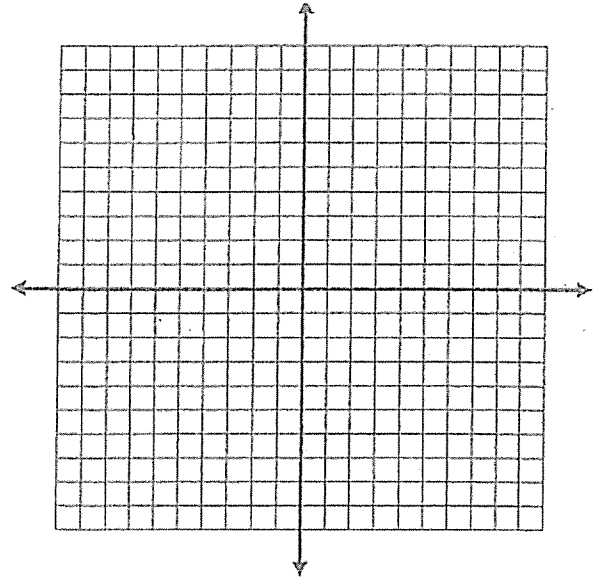
Name: _____

Hour: _____

Graph the following equation. When you complete the graph check it before moving on to the other parts of the worksheet.

Graph $y = -2x^2 - 4x + 7$

x	$y = -2x^2 - 4x + 7$	y



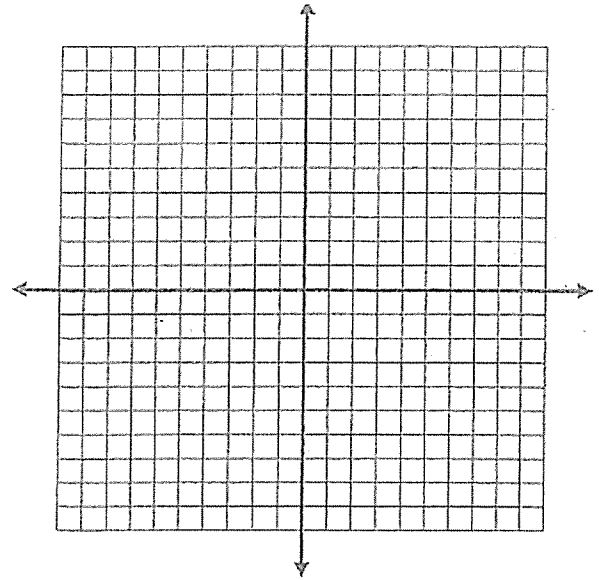
From your graph above you need to find the vertex, domain, range, maximum or minimum, and the axis of symmetry. You must also explain how you found each of them.

Characteristics	Explanation
Maximum or Minimum	
Vertex:	
Domain:	
Range:	
Axis of Symmetry:	

Graph the following equation. When you complete the graph check it before moving on to the other parts of the worksheet.

Graph $y = \frac{1}{2}x^2 - 6$

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



From your graph above you need to find the vertex, domain, range, maximum or minimum, and the axis of symmetry. You must also explain how you found each of them.

Characteristics	Explanation
Maximum or Minimum	
Vertex:	
Domain:	
Range:	
Axis of Symmetry:	