

## PC30S Graphing Quadratics Using Transformations

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1.) Complete the following chart.

	$y = -2(x + 3)^2 - 5$	$y = \frac{1}{4}(x - 6)^2 + \frac{2}{3}$
Vertex		
Axis of symmetry		
Domain		
Range		
Direction of Opening		
Maximum or Minimum Value		

2.) Sketch the following graphs, using transformations.

a.)  $y = -2x^2$

b.)  $y = \frac{1}{2}x^2$

c.)  $y = 3x^2$

d.)  $y = \frac{1}{4}x^2$