

NAME: \_\_\_\_\_ DATE: \_\_\_\_\_ HOUR: \_\_\_\_\_

Algebra IC – Ch. 8.1-8.2 REVIEW

Identify the values of a, b, and c in each quadratic function.

1.  $y = 2x^2 - 4x - 6$

2.  $y = 15 - x^2$

3.  $4x^2 + 9 - 5x = y$

Evaluate each quadratic function for the given value of x. Show ALL of your WORK.

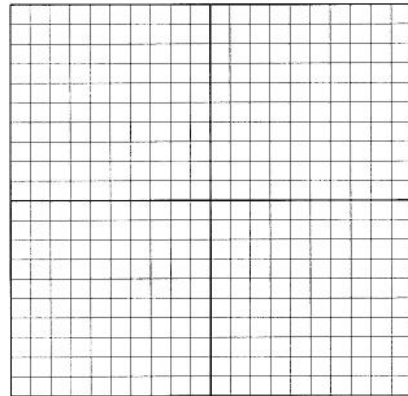
4.  $f(x) = 2x^2 - 3x + 5; f(4)$

5.  $g(x) = -4x^2 + 7x; g(-2)$

Complete the table of values for the given quadratic function, and sketch the graph.

$y = \frac{1}{8}x^2$

x	y
-16	
-8	
-4	
0	
4	
8	
16	



Write the equation of the line of symmetry for the following quadratics. Show ALL of your WORK.

9.  $y = x^2 + 6x - 14$

10.  $f(x) = 2x^2 - 3x + 5$

Find the vertex of the following quadratics and tell whether it's a MAXIMUM OR MINIMUM.

11.  $y = -3x^2 - 24x + 7$

12.  $y = 4x^2 + 32$

