

NAME _____ DATE _____

ALGEBRA II WORKSHEET: VERTEX AND STANDARD FORMS

Complete each prompt for each quadratic FUNction. Show your work on the back of this sheet or on a separate sheet of paper.

	Equation	Vertex	y-intercept	Expanded (Standard) Form	a, b, c
1	$y = (x + 1)^2 - 4$				
2	$y = (x - 1)^2 - 4$				
3	$y = (x - 3)^2 - 4$				
4	$y = -(x - 3)^2 - 4$				
5	$y = -2(x - 3)^2 - 4$				
6	$y = -2(x + 5)^2 - 4$				
7	$y = -3(x + 5)^2 - 4$				
8	$y = -3(x - 8)^2 - 4$				
9	$y = -\frac{1}{2}(x - 8)^2 - 4$				
10	$y = -\left(x - \frac{1}{2}\right)^2 - 4$				
11	Mystery Example				