

Name: _____ Date: _____ Period: _____

3.3.5 Discriminant Exploration

Equation	Quadratic Formula Answers	What is (b^2-4ac) ?	Does the function form of this equation cross the x - axis? How many times?	Where?
$3x^2 - 6x + 3 = 0$				
$3x^2 - 8x + 12 = 0$				
$4x^2 + x - 20 = 0$				
$15x^2 - 10x + 1 = 0$				
$5x^2 - 12x + 10 = 0$				
$4x^2 - 6x + 2 = 0$				
$5x^2 - 4x + 2 = 0$				
$-3x^2 - x + 2 = 0$				
$-3x^2 + 5x - 3 = 0$				
$-4x^2 + 6x - 3 = 0$				