Name_____

Ch. 7 Target Lab #2 Finding the x- and y-intercepts of a Quadratic Function

	nt is 2. There are many ways to write a quadratic
function, but the standard form is written asthe graph of a parabola, which has several key features: •	A quadratic function will produce
•	
•	
You should be able to find the intercepts fairly easily. To find the x-inter	cepts, you set the equation equal to zero and
use the or	to
use theoioi	
solve for x. To find the y-intercept, simply replace the x-values with zero	
	o and solve for y.

Example #2

Find the x- and y-intercepts of $y = 2x^2 + 11x + 15$

Practice Problems

Find the x- and y-intercepts for each function below.

$$(1) y = 3x^2 - 14x + 8$$

$$(2) y = 4x^2 + 3x - 10$$

(3)
$$y = x^2 + 6x - 27$$