SHORTCUT STRATEGIES

For each set of given information in the following chart, there are two examples provided. Feel free to construct and analyze your own examples, as long as they also provide the same initial information.

Write the equation for each example, and compare the result to the given information. Write a set of instructions based on your observations that would help someone obtain the correct equation as efficiently as possible.

Given Information	Example	Equation
slope and *y*-intercept	• slope is –3, *y*-intercept is 4 • slope is $\frac{4}{5}$, *y*-intercept is 9	
***x*-intercept and *y*-intercept**	• *x*-intercept = 3, *y*-intercept = 8 • (–4, 0) and (0, 8)	
slope and *x*-intercept	• slope is 2, *x*-intercept is 3 • slope is 2, and the *x*-intercept is associated with the point (3, 0)	

Save your results in your course folder. Your teacher may want to examine your strategies.