

Three Column Note-taking Method

Topic: How to graph a linear equation using the slope- intercept method	Section: 6.2	Date: 10/15/2015
Key Words/Rules	Examples	Explanations/Procedures
Slope-Intercept Method for graphing linear equations:	Graph 5x + 3y = 12 by using the slope and y-intercept.	
	$3y = -5x + 12$ $\frac{3y}{3} = \frac{-5x}{3} + \frac{12}{3}$ $y = \frac{-5x}{3} + 4$	1. If necessary, solve the equation for y. (Y = mx + b) Caution! Don't forget to divide all terms in the equation when
	-10 -5 5 10 x	solving the equation for y! 2. Plot the y-intercept.
	The slope is -5/3. So, from the y- intercept, we will move down 5 units from the intercept and then to the right 3 units to find another point on the line. We can also move 5 units up from the intercept and down 3 units to find another point on the line.	 3. Use the slope to find to find two or more points on the line. 4. Using a straight-edge, draw a straight line through the three points. Draw an arrowhead on each end of the line.
	Outertions (0) suif astion	Note: You Have not graphed the líne untíl you draw a líne through the poínts!!!
Q.1: Why do I have to put arrc Q.2: What if I have a fraction	westions/Clarification ws on the line? for the y-intercept, then what do I do?	