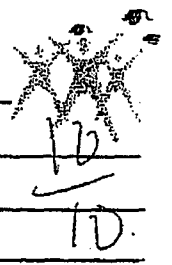


Class Notes / Learning Log / Textbook Notes

If there was no class lecture this week, write a paragraph about what you learned and/or questions about what you didn't understand.

Name: ~~Allen~~ Allen
Class: Algebra 1A
Period/Block: 4
Date: 24 October 2005



Topic: Graphing Linear Equations

Standard form-	$Ax + By = C$ ex. $4x + 3y = 9$
Slope intercept form-	$y = mx + b$ ex. $y = 2x + 1$
Slope -	rise = change in y value = $y_2 - y_1$ run change x value $x_2 - x_1$
$2x + 4y = 20$	
Find the slope:	$2x + 4y = 20$
Subtract 2x	$-2x \quad -2x$
	$4y = -2x + 20$ slope = $-\frac{1}{2}$
divide by 4	$\frac{4}{4} \quad \frac{-2x}{4} \quad \frac{20}{4}$ y-intercept = 5
	$y = -\frac{1}{2}x + 5$
How do you graph a line?	* Graphing
Slope?	1. Plot y-intercept 2. follow slope 3. connect line
Find the slope:	$(6, 4), (3, 2)$
find slope.	$\frac{y_2 - y_1}{x_2 - x_1} = \frac{2 - 4}{3 - 6} = \frac{-2}{-3} = \frac{2}{3}$
	$y = \frac{2}{3}x + b$ $y = \frac{2}{3}x + 0$
Substitute	$4 = \frac{2}{3}(6) + b$ Slope = $\frac{2}{3}$
	$4 = 4 + b$ $b = 0$ y-intercept = 0

Summary, Reflection, Analysis

Today in class we learned the standard form ($ax + by = c$), the slope intercept form ($y = mx + b$) and what a slope is (rise over run). We also learned that when graphing, you plot the y first then follow the slope.

IV. Fave Forms