

Alg. 1A - 8E WEDNESDAY 2-16-11

GRAPH THE FOLLOWING LINES, STATE THE SLOPE OF EACH LINE:

① $y = -3$

② $x = 5$

③ $y = \frac{1}{2}x + 4$

PUT THE FOLLOWING LINES IN STANDARD FORM $\Rightarrow Ax + By = C$

④ $y = -5x + 6$

⑤ $-\frac{1}{4}x + 2y = -5$

• Homework review: Pg. 221 #4-7, 16-18.

ONE WAY you can use the standard form to graph a linear equation, which is possibly easier than "solving for y" is the "Method of Intercepts".

Y intercepts have an $X = 0$

X intercepts have a $Y = 0$

EX 4
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GRAPH $3x + 2y = 9$

$$X_{\text{int}} \Rightarrow y = 0$$

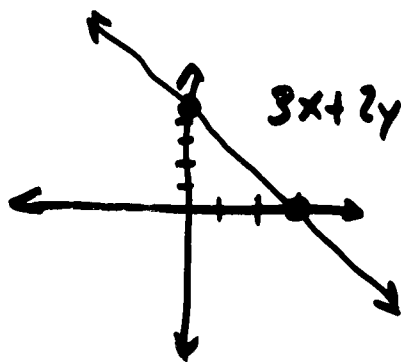
$$3x = 9$$

$$x = 3 \quad \therefore (3, 0)$$

$$Y_{\text{int}} \Rightarrow x = 0$$

$$3(0) + 2y = 9$$

$$y = \frac{9}{2} \quad \therefore (0, 4\frac{1}{2})$$



Group Practice: Page 829

EP Lesson 4-5 # 1 to 6

AND # 7 AND 9 using the
METHOD OF INTERCEPTS.

Homework: Pg 221 # 20-24