

Algebra 1 TUESDAY 11-27-12 Class Notes

$$\begin{array}{r} \textcircled{9.} \quad 5x = 90 - 9y \\ \quad \quad + 9y \quad \quad + 9y \end{array}$$

$$5x + 9y = 90$$

$$x_{\text{int}} \Rightarrow y = 0, \quad \frac{5x}{5} + \frac{9(0)}{5} = \frac{90}{5}$$

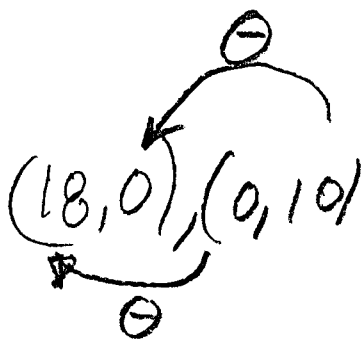
$$x = 18$$

$$\begin{array}{c} (18, 0) \\ x \quad y \end{array}$$

$$y_{\text{int}} \Rightarrow x = 0, \quad \frac{5(0)}{9} + \frac{9y}{9} = \frac{90}{9}$$

$$y = 10$$

$$\begin{array}{c} (0, 10) \\ x \quad y \end{array}$$



$$\frac{10}{-18} = \boxed{-\frac{5}{9}} = m$$

(27) $\Rightarrow$
PUT IN
SF

$$2x = -2y - 10$$

$$+2y \quad +2y$$

$$\frac{2x}{2} + \frac{2y}{2} = \frac{-10}{2}$$

$$x + y = -5$$

$$\begin{cases} Ax + By = C \\ A > 0 \\ A, B, C, \text{ NOT FRACTIONS} \end{cases}$$

STANDARD FORM
OF A LE

FIND
SLOPE

$$x_{\text{INT}} \Rightarrow y = 0$$

$$x_{\text{INT}} = -5 \quad (-5, 0)$$

$$y_{\text{INT}} \Rightarrow x = 0$$

$$y_{\text{INT}} = -5 \quad (0, -5)$$

$$(-5, 0), (0, -5) \Rightarrow \frac{-5 - 0}{0 + 5} = -\frac{5}{5}$$

$$m = -1$$

$\uparrow$
SLOPE

French
metier?
=

$$Ax + By = C$$

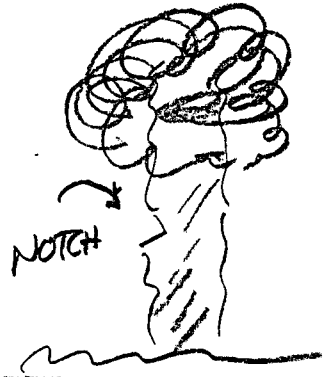
$$\textcircled{50} \quad x - \frac{4}{3}y - \frac{16}{3} = 0$$

$$\qquad\qquad\qquad + \frac{16}{3} \qquad + \frac{16}{3}$$

$$x - \frac{4}{3}y = \frac{16}{3}$$

MULT. BOTH
SIDES BY 3

$$\boxed{3x - 4y = 16}$$



$$\textcircled{39} \quad 0 = -7x - 5y - 20$$

$$+7x + 5y \quad +7x + 5y$$

$$\boxed{7x + 5y = -20}$$