

**Bathroom breaks are to be
taken before class!!**
Do NOT move the desk!!
Turn your phone OFF!!
Put your phone up!!
Sit down!! Be quiet!!
Prepare to work!!
Keep your hands to yourself!!

3.5 pg. 121

$$17) -x + 8y = 2$$

 x -int

$$-x = 2$$

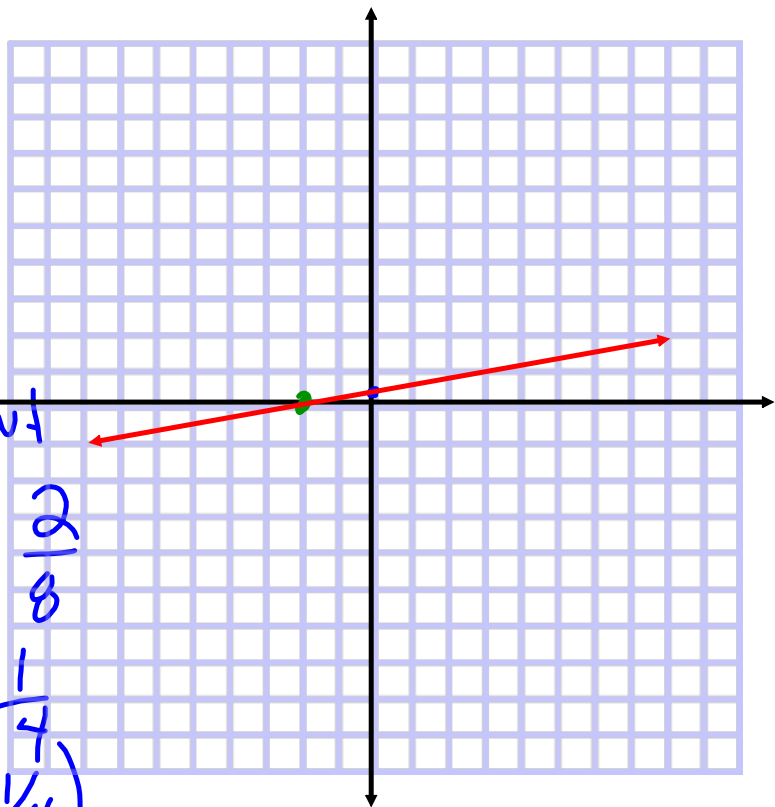
$$x = -2$$

$$(-2, 0)$$

 y -int

$$\frac{8y}{8} = \frac{2}{8}$$

$$y = \frac{1}{4}$$
$$(0, \frac{1}{4})$$



$$10) -5x + 4y = 20$$

x-Int

$$-5x = 20$$

$$x = -4$$

y-Int

$$4y = 20$$

$$y = 5$$

Softbook Pg 31

3.4 $y = mx + b$

$$1) \quad b = 1 \quad y = \frac{-3}{2}x + 1$$

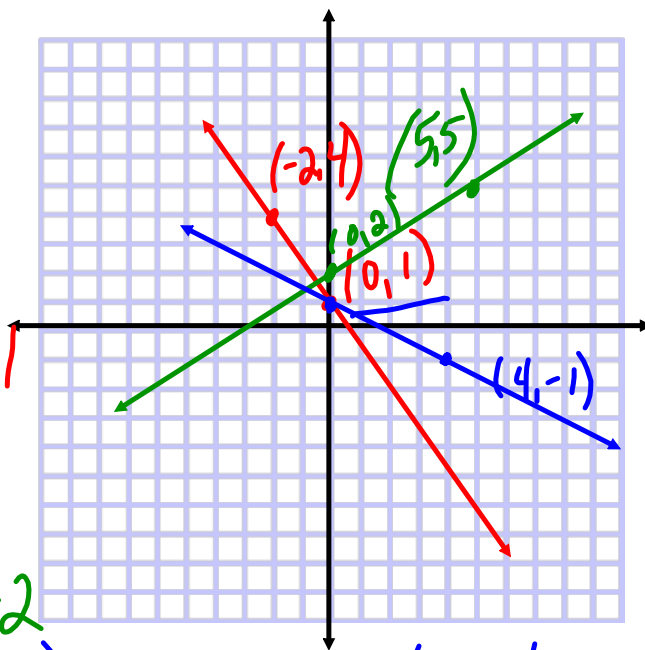
$$m = \frac{-3}{2}$$

$$2) \quad b = 2 \quad y = \frac{3}{5}x + 2$$

$$m = +\frac{3}{5}$$

$$3) \quad b = 1 \quad y = \frac{-1}{2}x + 1$$

$$m = -\frac{2}{4} = \frac{-1}{2}$$



4)	x	y	
+2	-2	11	-6
+2	0	5	-6
+2	2	-1	-6
+2	4	-7	-6

$$m = \frac{y_2 - y_1}{x_2 - x_1}$$

$$m = \frac{-6 - 5}{2 - 0} = -3 \quad b = 5$$

$$y = -3x + 5$$

5) x y

	-4	-2	
+4	0	-1	+1
+4	4	0	+1
+4	8	1	+1

$$m = \frac{1}{4} \quad b = -1$$

$$y = \frac{1}{4}x - 1$$

b) x y $m = \frac{2}{0} = \text{und}$ $b = \text{none}$

$+0$	-5	1	$+0$
$+0$	-5	3	$+2$
$+0$	-5	5	$+2$
$+0$	-5	7	$+2$

$x = -5$

$$m = \frac{y_2 - y_1}{x_2 - x_1}$$

7) $(0, 0)$ $(4, -2)$
 $x_1 \ y_1$ $x_2 \ y_2$

$$m = \frac{-2 - 0}{4 - 0} = \frac{-2}{4} = -\frac{1}{2} \quad b = 0 \quad y = -\frac{1}{2}x + 0$$

