WARMUP

- Wkst 4.2- skip # 3,4

(15) $2y - 4x = 8$

$2(8) - 4(-2) = 8$

$16 + 8 = 8$

$24 \neq 8$

No

(16) $-5x + 8y = 15$

$-5(-3) - 8(0) = 15$

$15 + 0 = 15$

$15 = 15$

Yes

(18) $x = -4$

$1 \neq -4$

No

Rewriting Liner Equations

Chapter 4
Section 2B

$y = mx + b$

SOLVE FOR Y

1.) $3x - 4y = 10$

$-3x \quad -3x$

$\frac{-4y}{-4} = \frac{-3x + 10}{-4} \quad \frac{}{-4}$

$y = \frac{3}{4}x - \frac{5}{2}$

2.) $6x + 3y = -9$

$-6x \quad -6x$

$\frac{3y}{3} = \frac{-6x - 9}{3} \quad \frac{}{3}$

$y = -2x - 3$

SOLVE FOR Y

3.) $-4x + 2y = 7$

$+4x \quad +4x$

$\frac{2y}{2} = \frac{4x+7}{2} \quad \frac{7}{2}$

$y = 2x + \frac{7}{2}$

4.) $x - 3y = 8$

$-x \quad -x$

$\frac{-3y}{-3} = \frac{-x+8}{-3} \quad \frac{8}{-3}$

$y = \frac{1}{3}x - \frac{8}{3}$

Class Work

215 # 30-35

214 # 1-14

(34) $\frac{1}{2}x+\frac{5}{2}y=1$ $\cdot 2$

$x+5y=2$

$-x \quad -x$

$5y=-x+2$

$y=-\frac{1}{5}x+\frac{2}{5}$

(34) $\frac{1}{2}x+\frac{5}{2}y=1$

$-\frac{1}{2}x \quad -\frac{1}{2}x$

$\frac{5}{2}y=-\frac{1}{2}x+1$

$y=-\frac{1}{5}x+\frac{2}{5}$

$y=-\frac{1}{5}x+\frac{2}{5}$

$-\frac{1}{2}\cdot\frac{2}{5}=\frac{-2}{10}=\frac{-1}{5}$

$1\cdot\frac{2}{5}=\frac{2}{5}$

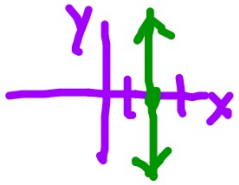
(35) $-y=$

$y=$

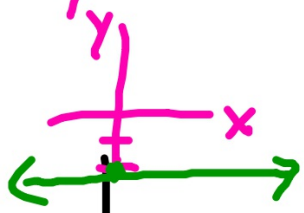
Closure

- Wkst 4.2 # 3,4

⑤ $x = 1.5$



⑥ $y = -2$

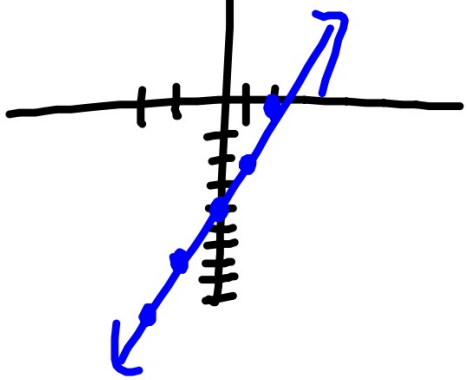


$3y = 12 - 6x$

$\frac{3y}{3} = \frac{-6x}{3} + \frac{12}{3}$

$y = 2x - 4$

x	y
-2	-8
-1	-6
0	-4
1	-2
2	0



HOMEWORK

- Page 215 # 43-49