2/21/2007

Went over ever problem on the review packet

Every problem is now to be done, for a 35 point grade tomorrow

Tomorrow we will do every problem, and Friday you have the Chapter 4 Test!

(33) $y = -x+2$

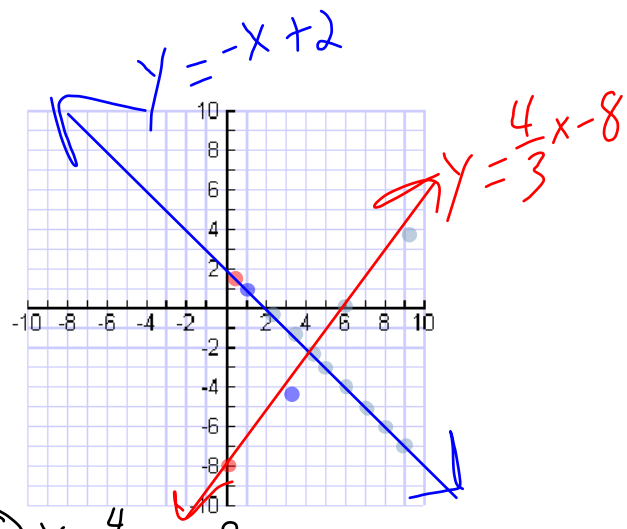
Big $\frac{y_2 - y_1}{x_2 - x_1}$

$m = \text{slope} = \frac{\text{rise}}{\text{run}} = \frac{\text{change in } y}{\text{change in } x}$

$m = \text{slope} = \frac{\text{rise}}{\text{run}} = -1 = \frac{-1}{1}$

Down 1 Right 1

$b = y\text{-int} = 2 \Rightarrow (0, 2)$



(34) $y = \frac{4}{3}x - 8$

$m = \text{slope} = \frac{\text{rise}}{\text{run}} = \frac{\text{change in } y}{\text{change in } x} = \frac{y_2 - y_1}{x_2 - x_1}$

$m = \text{slope} = \frac{\text{rise}}{\text{run}} = \frac{4}{3}$

up 4 Right 3

$b = y\text{-int} = -8 \Rightarrow (0, -8)$

15 Abs. Value:

16 Slope:

17 ~~2pts~~=

18 x = for the x-int.

y = for the x int

19 // lines:

20 m of // lines

(21) slope $= -5$

(22) $\frac{2}{-3}$

28 I want 3 things

$$y - 4 = 3x$$
$$+4 \qquad +4$$
$$y = 3x + 4$$ ✓

$m = \text{slope} = \frac{\text{rise}}{\text{run}} = 3$ ✓

$b = y\text{-int} = 4 \Rightarrow (0, 4)$ ✓

29)

$$6x - 3y = -21$$

$-6x \quad -6x$

$$-3y = -6x - 21$$

$\frac{-3y}{-3} = \frac{-6x}{-3} - \frac{21}{-3}$

$$y = 2x + 7$$

$m = \text{slope} = \frac{\text{rise}}{\text{run}} = 2$

$b = \text{y.int.} = 7 \Rightarrow (0, 7)$

14

Line A: $-2x+y=10$

$-2x+y=10$

$+2x \quad +2x$

$y=2x+10$

Line B: $-6x+3y=13$

$+6x \quad +6x$

$3y=6x+13$

$\frac{3y}{3}=\frac{6x}{3}+\frac{13}{3}$

$y=2x+\frac{13}{3}$

they have the same slope... they are parallel!

(25) $-15x+3y=-18$; A, B, C

$A=-15$ $B=3$ $C=-18$

$Ax+By=C$

(26) S.I.f.

$$-15x+3y=-18$$
$$+15x \qquad +15x$$
$$3y=15x-18$$
$$\frac{3y}{3}=\frac{15x}{3}-\frac{18}{3}$$
$$y=5x-6$$

(27)

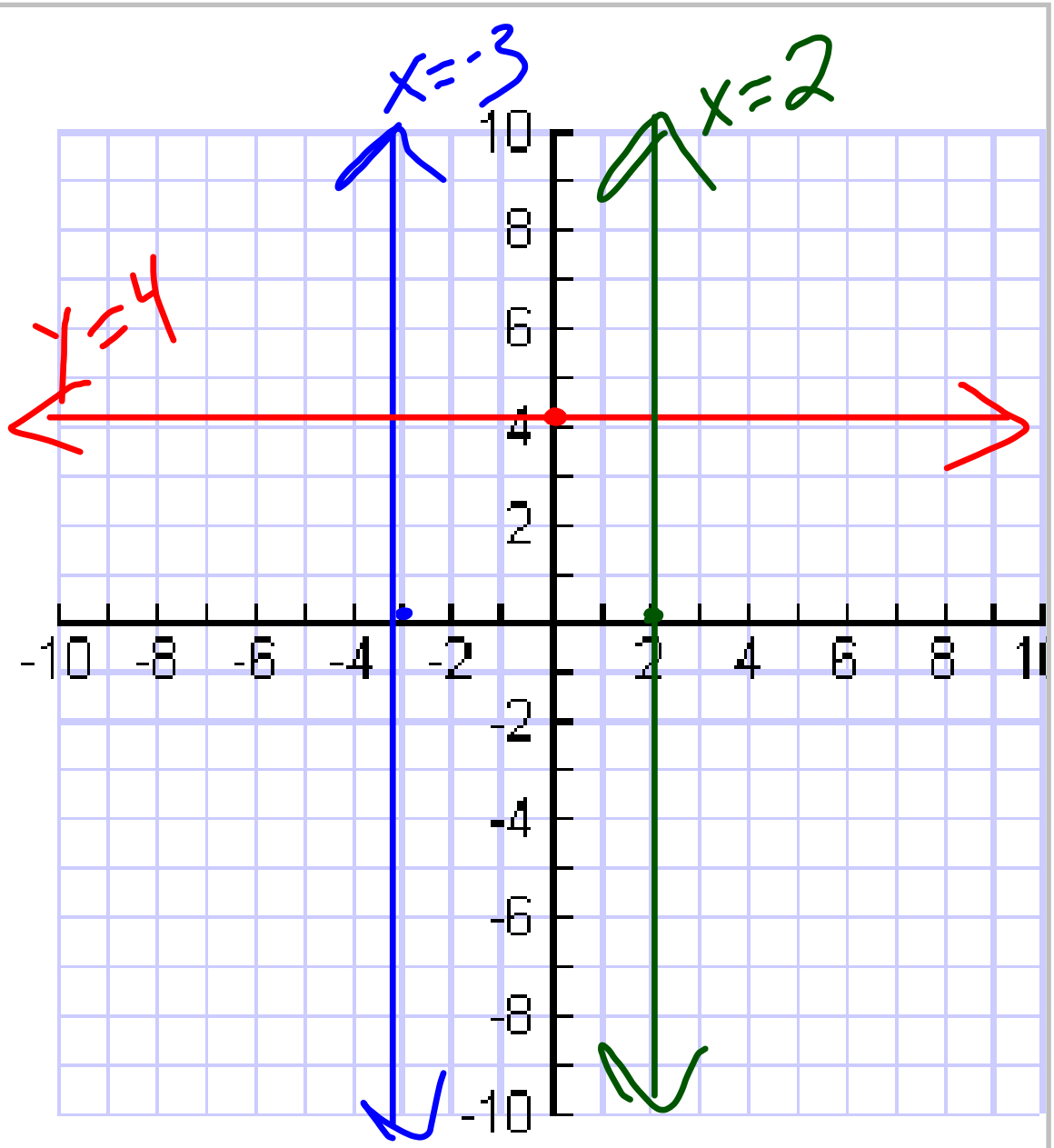
$m=\text{slope}=\frac{\text{rise}}{\text{run}}=5$

$b=\text{y.int.}=-6 \Rightarrow (0,-6)$

11 $x = -3$

12 $y = 4$

13 $x = 2$



10 $8 = -4x - 2y$

$+4x \quad +4x$

$4x + 8 = -2y$

$\frac{4x}{-2} + \frac{8}{-2} = \frac{-2y}{-2}$

$-2x - 4 = y$

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