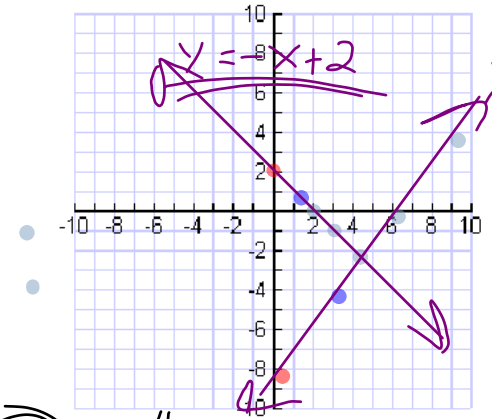
(33) $y = -x+2$

$y = mx+b$

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

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

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



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

$y = mx+b$

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

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

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

(15) Abs. Value: Distance from Zero

(16) Slope:

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

(17) ~~2 pts~~ = line

(18) x = Zero for the x-int.

y = Zero for the x int

(19) // lines: 2 or More

lines that never intersect and on the same plane.

(20) m of // lines

Same or equal

(21) slope $= -5 = \frac{-5}{1}$

Down 5
Right 1

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

up 2
left 3

14

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

$+2x \quad +2x$

$\Rightarrow y = 2x + 10$

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

$+6x \quad +6x$

$3y = 6x + 13$

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

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

Yes...

Same Slope

Diff y-int.

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

$Ax + By = C$

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

(26) S.I.f.

$-15x + 3y = -18$

$+15x \qquad +15x$

$3y = 15x - 18$

$\frac{3y}{3} = \frac{15x}{3} - \frac{18}{3}$

(27) $y = 5x - 6$

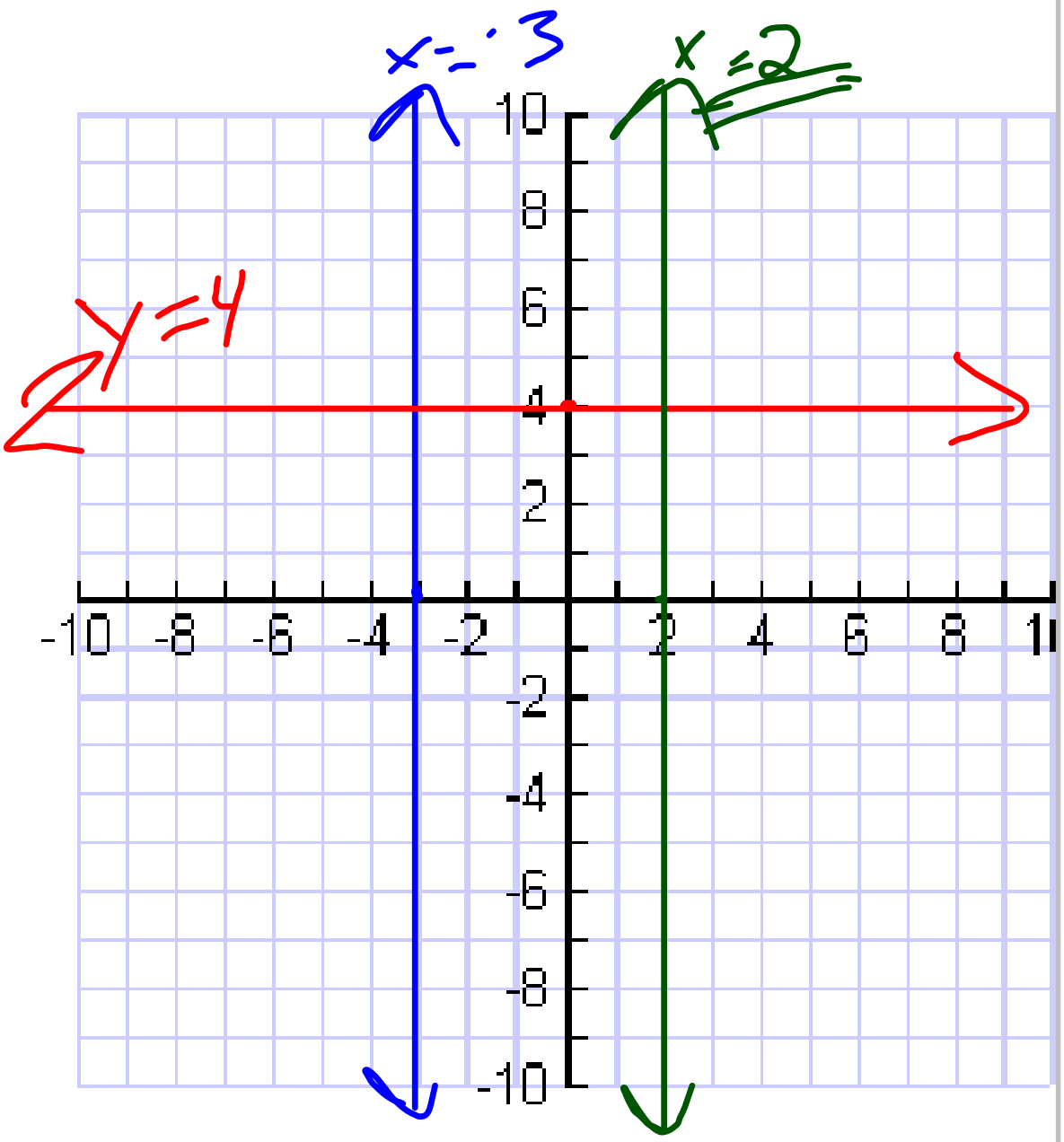
$m = \text{slope} = \frac{\text{rise}}{\text{run}} = 5$

$b = y\text{int.} = -6$

11 $x = -3$

12 $y = 4$

13 $x = 2$



10 $8 = -4x - 2y$

$+4x \quad +4x$

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

$-2x - 4 = y$