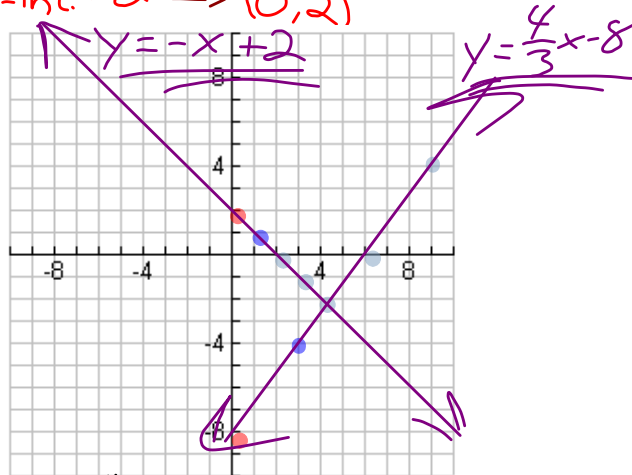


33) $y = -x + 2$
 $y = mx + b$
 $m = \text{slope} = \frac{\text{rise}}{\text{run}} = \frac{\text{change of } y}{\text{change of } x} = \frac{y_2 - y_1}{x_2 - x_1}$
 $m = \text{slope} = \frac{\text{rise}}{\text{run}} = -1 = \frac{-1}{1}$ (Down 1, Right 1)

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



34) $y = \frac{4}{3}x - 8$
 $y = mx + b$

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

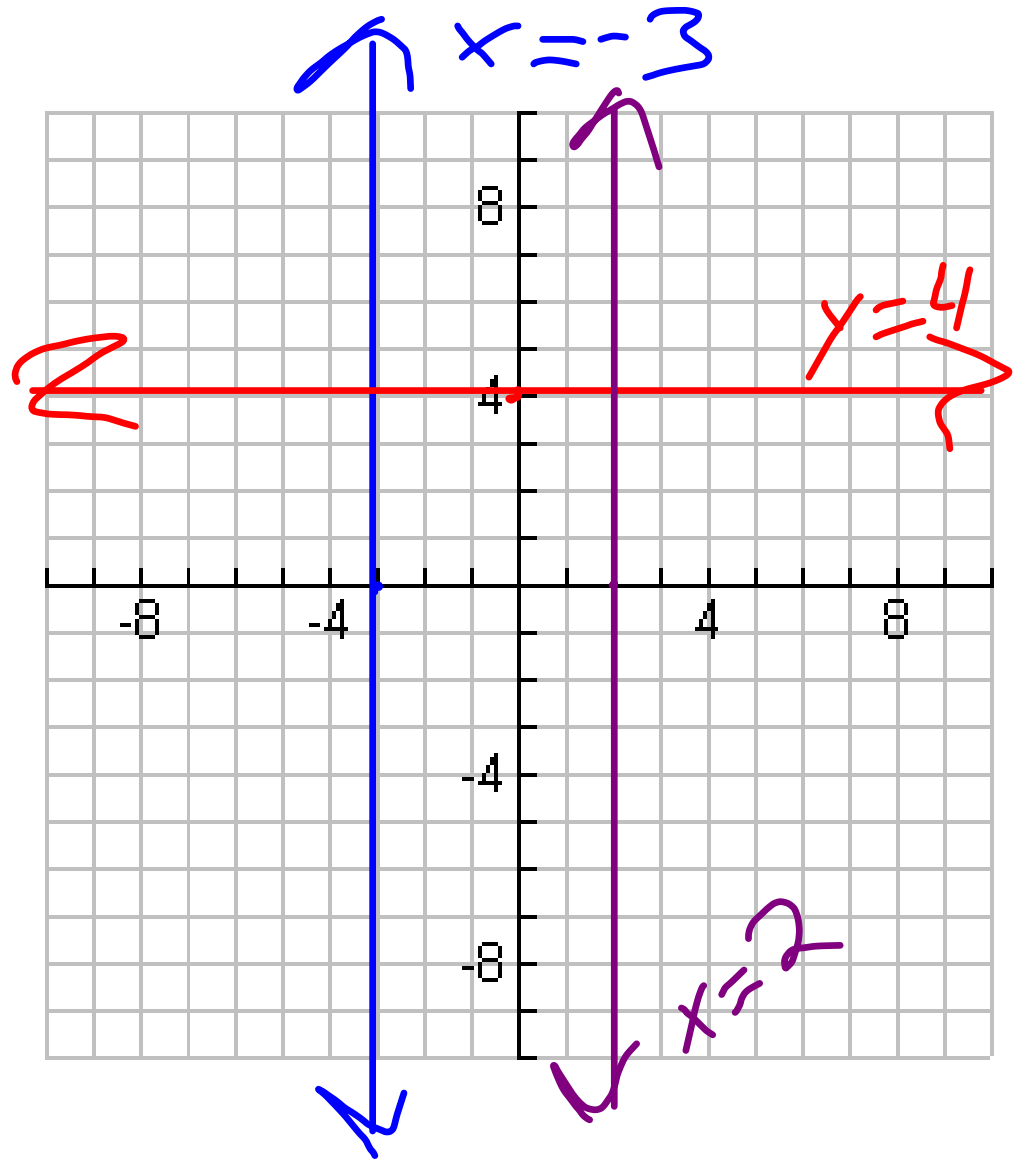
$m = \text{slope} = \frac{\text{rise}}{\text{run}} = \frac{4}{3}$ (Up 4, Right 3)

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

⑪ $x = -3$

⑫ $y = 4$

⑬ $x = 2$



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 ZPTs: line

⑱ $x = \text{zero}$ for the y-int
 $y = \text{zero}$ for the x-int.

⑲ // lines: 2 or More

lines on the same Plane
that never intersect.

⑳ Same

$$\textcircled{25} \quad -15x + 3y = -18 ; A, B, C$$

$$Ax + By = C$$

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

$$\textcircled{26} \quad \begin{array}{r} -15x + 3y = -18 \\ +15x \qquad +15x \end{array}$$

$$\begin{array}{r} 3y = 15x - 18 \\ \hline y = 5x - 6 \end{array}$$

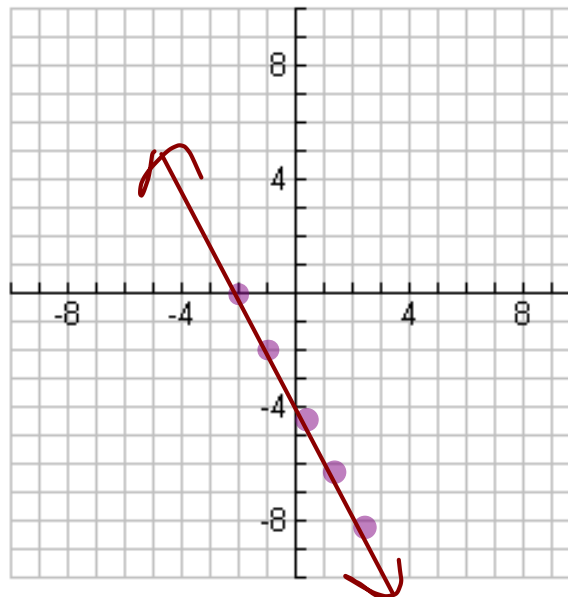
$\textcircled{27}$

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

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

9 $y = -2(x+2)$

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



$$8 = -4x - 2y$$

$$\begin{array}{r} +4x \quad +4x \\ \hline \end{array}$$

$$\begin{array}{r} 4x + 8 = -2y \\ \underline{-2 \quad -2} \quad \underline{-2} \\ -2x - 4 = y \\ \hline \hline \end{array}$$

| x | y |
|---|---|
| | |
| | |
| | |
| | |
| | |

14

$$\text{Line A: } \begin{array}{r} -2x + y = 10 \\ \hline +2x \quad +2x \end{array} \Rightarrow \underline{\underline{y = 2x + 10}}$$

$$\text{Line B: } \begin{array}{r} -6x + 3y = -13 \\ \hline +6x \quad +6x \end{array}$$
$$\frac{3y}{3} = \frac{6x}{3} + \frac{-13}{3}$$
$$y = 2x + \frac{13}{3}$$

Yes...
Same slope
diff y-int.