

Get a sheet of graph paper and a ruler.
Graph each line using at least three points.

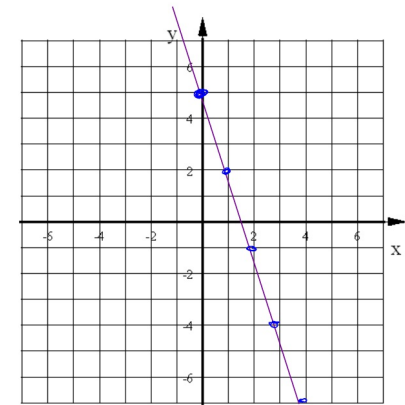
1. $y = -3x + 5$

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

2. $y = \frac{1}{4}x$

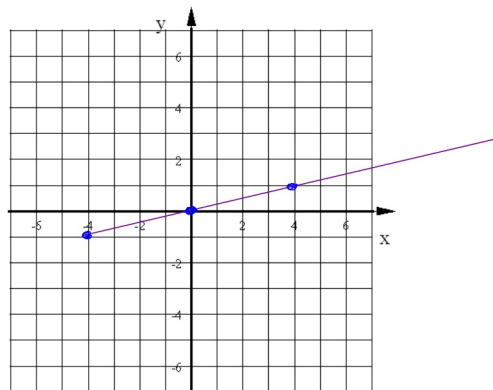
4. $y - 1 = 4(x + 5)$

1. $y = -3x + 5$
Slope $\frac{-3}{1}$ y-int



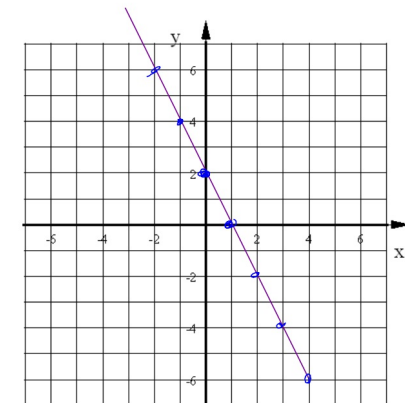
2. $y = \frac{1}{4}x$

y-int = 0



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

$y + 4 = -2x + 6$
 -4 -4
 $y = \underline{2x} + 2$

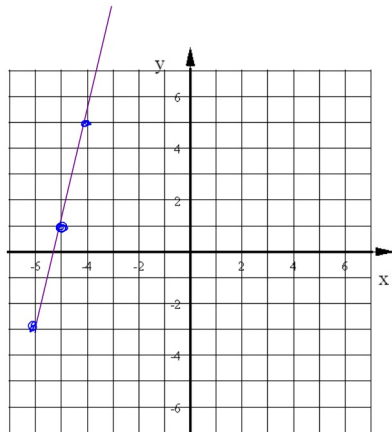


4. $y - 1 = 4(x + 5)$

$$\begin{array}{r} x - x_1 \\ y - 1 = 4x + 20 \\ +1 \quad +1 \\ \hline y = 4x + 21 \end{array}$$

$(-5, 1)$

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



5. $18x - 9y = 36$

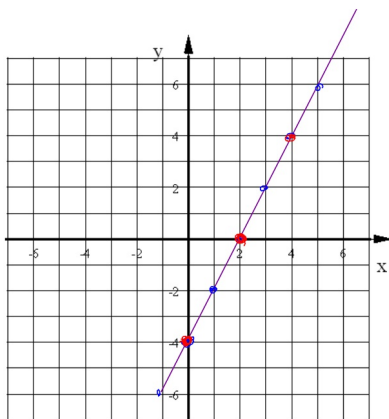
6. $3x + 4y = 8$

5. $18x - 9y = 36$

$-18x \quad -18x$

$$\begin{array}{r} -9y = 36 - 18x \\ \hline -9 \quad -9 \\ \hline y = -4 + 2x \end{array}$$

$y = -4 + \frac{2x}{1}$



$$\begin{array}{l} x - \text{int} \frac{36}{18} = 2 \\ y - \text{int} \frac{36}{-9} = -4 \end{array}$$

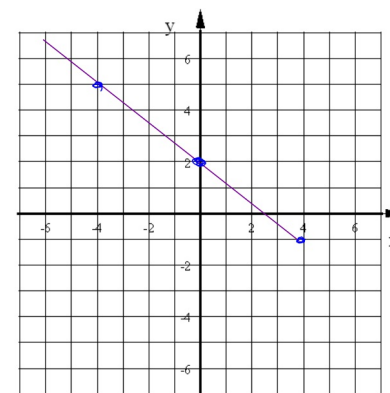
6. $3x + 4y = 8$

$-3x \quad -3x$

$$\begin{array}{r} x - \text{int} \frac{8}{3} = \frac{8}{3} \\ \hline \end{array}$$

$$4y = 8 - 3x$$

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



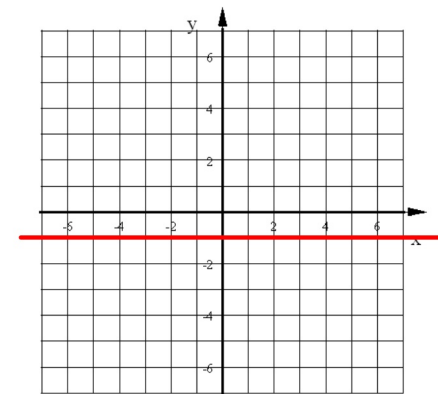
7. $y = -1$

8. $x = 4$

9. $7y = 14$

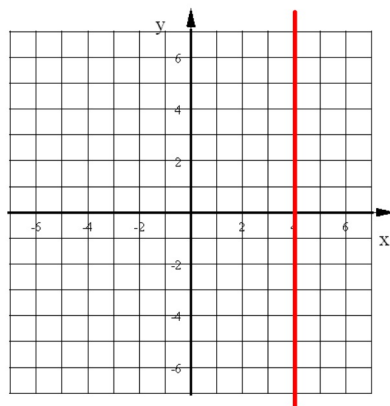
7. $y = -1$

Horizontal Line



8. $x = 4$

Vertical Line



9. $7y = 14$

divide both sides by 7

$y = 2$

Horizontal Line

