

## Assignment

Write the slope-intercept form of the equation of each line.

1)  $x - 4y = 4$

2)  $2x + y = -2$

3)  $5x - 3y = -28$

4)  $3x + y = 6$

5)  $-9 = -3y - 5x$

6)  $3 - 3x = 0$

7)  $18 - 2y = -6x$

8)  $\frac{5}{3} = x + \frac{1}{3}y$

Determine the number of solutions for each system of linear equations.

$$9) \begin{cases} y = \frac{4}{3}x + 3 \\ y = -x - 4 \end{cases}$$

$$10) \begin{cases} y = -2x - 1 \\ y = -2x + 4 \end{cases}$$

$$11) \begin{cases} y = \frac{3}{2}x + 4 \\ y = -\frac{1}{4}x - 3 \end{cases}$$

$$12) \begin{cases} y = 2 - 2x \\ y = -2x + 2 \end{cases}$$

$$13) \begin{cases} -4x - y = -8 \\ y = -2x \end{cases}$$

$$14) \begin{cases} y = x \\ -3x + 3y = 0 \end{cases}$$

$$15) \begin{cases} -4x - 4y = 12 \\ y = -4x \end{cases}$$

$$16) \begin{cases} -3x + 3y = 3 \\ y = 2x \end{cases}$$

$$17) \begin{cases} y = x \\ -4x + 2y = 4 \end{cases}$$

$$18) \begin{cases} y = x \\ x - y = 0 \end{cases}$$