

Systems of Equations: Substitution© 2014 MATHguide.com

Name: _____

Period: _____

Solve each system using the method of substitution. Report solutions as ordered pairs, (x,y) .

1)
$$\begin{cases} y = 2x - 1 \\ 3x + y = 19 \end{cases}$$

2)
$$\begin{cases} x = 5 - y \\ 4x - 3y = 34 \end{cases}$$

3)
$$\begin{cases} x = 7 + 5y \\ -3x + 2y = 13 \end{cases}$$

4)
$$\begin{cases} y = 12x - 1 \\ -5x - y = 35 \end{cases}$$

5)
$$\begin{cases} y = 5 \\ x - 6y = -3 \end{cases}$$

6)
$$\begin{cases} x = 2 \\ 3x - y = 11 \\ -2x + 3y + 5z = -4 \end{cases}$$