

ALL PROBLEMS CAN BE COMPLETED ON THIS WORKSHEET

WS 9B.2 - More Solving Systems of Equations by Substitution

#1-7, Solve each system of equations by the substitution method.

1.
$$\begin{cases} x = y - 4 \\ 2x - y = 6 \end{cases}$$

2.
$$\begin{cases} 2x + 2y = -6 \\ 5x + 5y = 10 \end{cases}$$

3.
$$\begin{cases} 2x + 7y = -3 \\ 3x + y = -14 \end{cases}$$

4.
$$\begin{cases} 20y - 5x = 15 \\ 2x - 3y = 4 \end{cases}$$

5.
$$\begin{cases} -9x - 3y = -12 \\ -6x - 2y = -8 \end{cases}$$

6.
$$\begin{cases} 30x = -10y \\ 3x - 2y = -15 \end{cases}$$

7.
$$\begin{cases} y = -3x - 17 \\ y = 5x - 25 \end{cases}$$

8. Two cans of paint and one brush cost \$29. Three cans of the same paint and two brushes cost \$46. Find the cost of one can of paint and the cost of one brush.