Sections 1-7

Determine whether or not the given ordered pair is a solution to the given system.

1) $\left(\frac{2}{3}, -4 \right)$;
$$\begin{cases} 9x - y = 10 \\ 3x + 4y = -14 \end{cases}$$

2) $\left(-1, \frac{4}{5} \right)$;
$$\begin{cases} 2x + 5y = 2 \\ 3x - 10y = -5 \end{cases}$$

Solve using any method.

3) $\begin{cases} 4x - 8y = 4 \\ x + 2y = 9 \end{cases}$

4) $\begin{cases} 6x - 9y = 8 \\ x - y = 1 \end{cases}$

5) $\begin{cases} 2x - 6y = -1 \\ 6x + 10y = -3 \end{cases}$

6) $\begin{cases} 2x - 3y = 36 \\ x - 3y = 9 \end{cases}$

7) $\begin{cases} 5x - 3y = 10 \\ -10x + 6y = 3 \end{cases}$

8) $\begin{cases} \frac{1}{2}x - y = 3 \\ 3x - 6y = 18 \end{cases}$