Name _____ Date _____

Year Group _____

Fill out the steps to solve the system

1. $\begin{cases} 8x + 14y = 4 \\ -6x - 7y = -10 \end{cases}$ => $\begin{cases} 8x + 14y = 4 \\ \underset{\times 2}{____}\, x - \underset{\times 2}{____}\, y = \underset{\times 2}{____} \end{cases}$

Steps => $+ \begin{array}{r} 8x + 14y = 4 \\ ____\, x - ____\, y = ____ \\ \hline ____\, x + ____\, y = ____ \end{array}$

Steps => $____\, x = ____$

Steps => $x = ____$

Substitute to solve for y

Steps => $8 * (____) + 14y = 4$

Steps => $____ + 14y = 4$

Steps => $14y = ____$

Steps => $y = ____$

Answer => $(____, ____)$

Solve the system (Leave answer as an improper fraction)

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

   Answer => $(____, ____)$

3. $\begin{cases} 10x - 8y = 8 \\ 5x - 2y = -18 \end{cases}$

   Answer => $(____, ____)$

4. $\begin{cases} 2x + 8y = 7 \\ 3x - 5y = 4 \end{cases}$

   Answer => $(____, ____)$

LIVEWORKSHEETS