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 => $(\_\_\_\_, \_\_\_\_)$