Systems of Equations Worksheet 10

Use substitution to solve each system of equations. Remember to write your answers as an ordered pair, i.e. (x, y) .

1. $\begin{cases} 2x + y = -4 \\ 5x + 3y = -6 \end{cases}$

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

3. $\begin{cases} x - 2y = 2 \\ 3x + y = 6 \end{cases}$

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

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

6. $\begin{cases} x + y = 0 \\ 3x + y = -8 \end{cases}$

7. $\begin{cases} 3x - 5y = 11 \\ x - 3y = 1 \end{cases}$

8. $\begin{cases} 4x + 5y = 11 \\ y - 3x = -13 \end{cases}$

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

10. $\begin{cases} 2x + 3y = 1 \\ -3x + y = 15 \end{cases}$

11. $\begin{cases} 5x - y = 5 \\ -4x + 5y = 17 \end{cases}$

12. $\begin{cases} 8x + 6y = 44 \\ x - 8y = -12 \end{cases}$