Solving Systems of Linear Equations: Substitution Method
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Solve each system of linear equations by using the substitution method.   Answers

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

1. $(1, -1)$

2. $\begin{cases} 2x + y = 0 \\ 5x - 2y = -18 \end{cases}$

2. $(-2, 4)$

3. $\begin{cases} 4x - 3y = -21 \\ x + 5y = 12 \end{cases}$

3. $(-3, 3)$

4. $\begin{cases} 2x + 4y = 6 \\ x - y = 16 \end{cases}$

4. $(7, -2)$

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

5. $(3, -2)$

6. $\begin{cases} 2x + 3y = 16 \\ 3x + 2y = 24 \end{cases}$

6. $(8, 0)$

7. $\begin{cases} 4x + 2y = 14 \\ 3x + 6y = -3 \end{cases}$

7. $(5, -3)$

8. $\begin{cases} 8x - 5y = -6 \\ 6x + 2y = -16 \end{cases}$

8. $(-2, -2)$

Please visit the Learning Lab for further assistance.