In this worksheet, you will solve systems of linear equations using the addition method.

1. Solve the system of equations:

\[ 2x + 2y = 3 \]
\[ 3x - y = 1 \]

2. Solve the system of equations:

\[ x + y = 3 \]
\[ \frac{x}{2} - y = 4 \]
3. Solve the system of equations:

\[3x + 5y = 3\]
\[15x + 25y = 4\]

4. Solve the system of equations:

\[4x - y = 3\]
\[8x - 2y = 6\]

5. Set up the following problem as a system of linear equations and then solve the resulting system.

The average of two numbers is 17. The difference between the numbers is 9.