

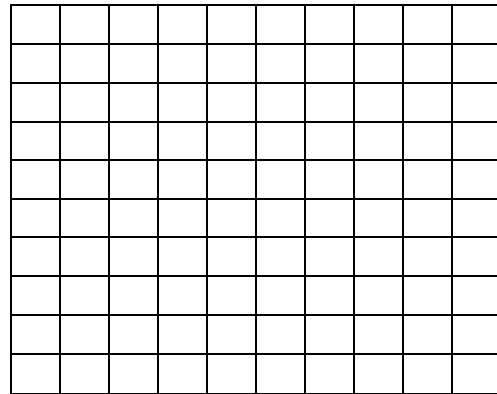
Notes 7.3 Systems of Linear Equations in Two Variables

1. Determine whether $(-4, 3)$ is a solution of the system:

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

2. Solve by graphing:

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



3. Solve by the substitution method:

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

4. Solve by the substitution method:

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

5. Solve by the addition method:

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

6. Solve by the addition method:

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

7. Solve the system:

$$\begin{cases} x + 2y = 4 \\ 3x + 6y = 13 \end{cases}$$

8. Solve the system:

$$\begin{cases} y = 4x - 4 \\ 8x - 2y = 8 \end{cases}$$

