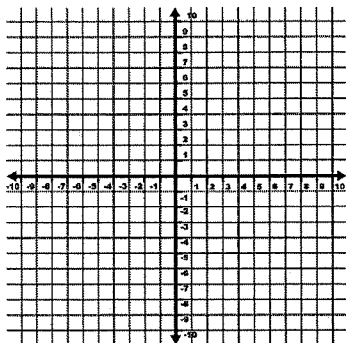


## AA PREP: SYSTEMS OF LINEAR EQUATIONS—WORKSHEET #1

Solve each system using the specified method. Each system may have one solution, no solution, or infinitely many solutions.

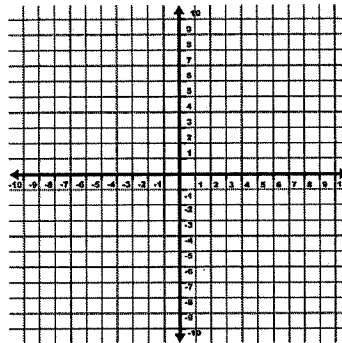
1. Solve by graphing.

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



2. Solve by graphing.

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



3. Solve by substitution.

$$\begin{cases} y = -2x - 9 \\ 6x - 5y = -19 \end{cases}$$

4. Solve by substitution.

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

5. Solve by elimination.

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

6. Solve by elimination.

$$\begin{cases} -2x + 4y = 1 \\ 3x - 6y = 9 \end{cases}$$

7. Solve using any method.

$$\begin{cases} -18x + 6y = 24 \\ 3x - y = -2 \end{cases}$$

8. Solve using any method.

$$\begin{cases} 2x - 2y = 16 \\ 3x - 6y = 30 \end{cases}$$