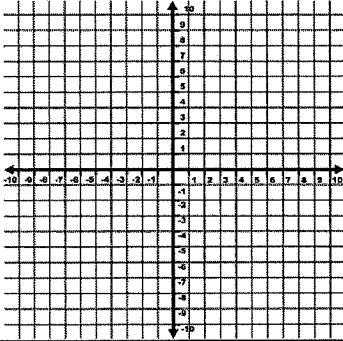


AA PREP: SYSTEMS OF LINEAR EQUATIONS—WORKSHEET #2

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

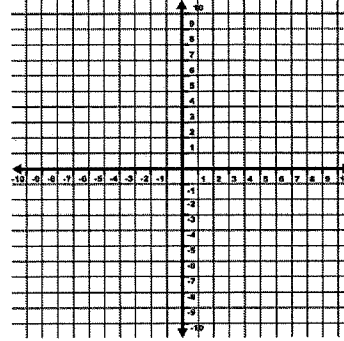
1. Solve by graphing.

$$\begin{cases} y = \frac{1}{3}x + 2 \\ y = \frac{2}{3}x + 5 \end{cases}$$



2. Solve by graphing.

$$\begin{cases} 4x - 4y = 20 \\ y = -5 \end{cases}$$



3. Solve by substitution.

$$\begin{cases} y = 7x + 13 \\ -21x + 3y = 39 \end{cases}$$

4. Solve by substitution.

$$\begin{cases} 15x - 5y = -20 \\ 3x - y = -4 \end{cases}$$

5. Solve by elimination.

$$\begin{cases} 9x - 15y = 24 \\ 6x - 10y = -16 \end{cases}$$

6. Solve by elimination.

$$\begin{cases} -7x + 7y = 1 \\ 2x - 2y = -18 \end{cases}$$

7. Solve using any method.

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

8. Solve using any method.

$$\begin{cases} 3x + 5y = 25 \\ x - 2y = -6 \end{cases}$$