

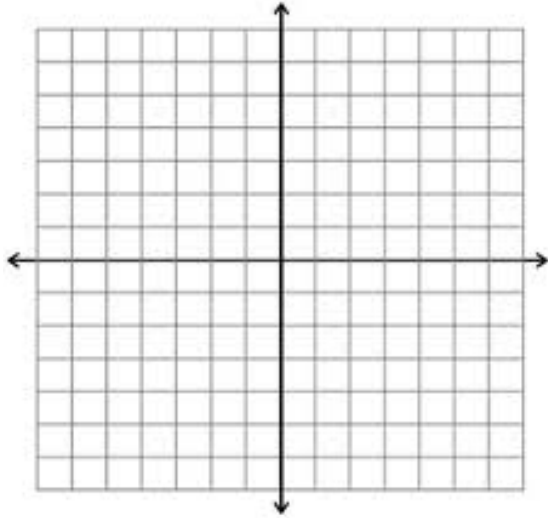
Name: _____
Algebra 1

Date: _____
Band: _____

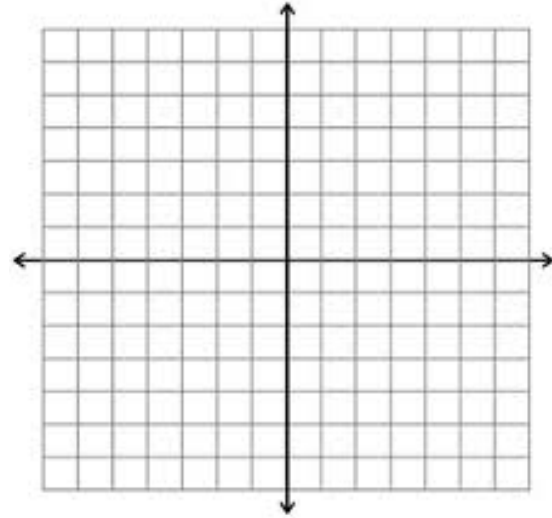
LT#1: Solve systems of equations by graphing.

Solve each system by graphing. Check your solution.

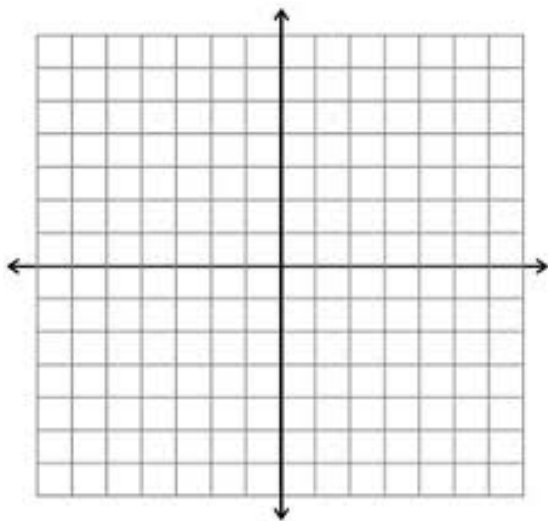
1.
$$\begin{cases} y = -x + 3 \\ y = 4x - 2 \end{cases}$$



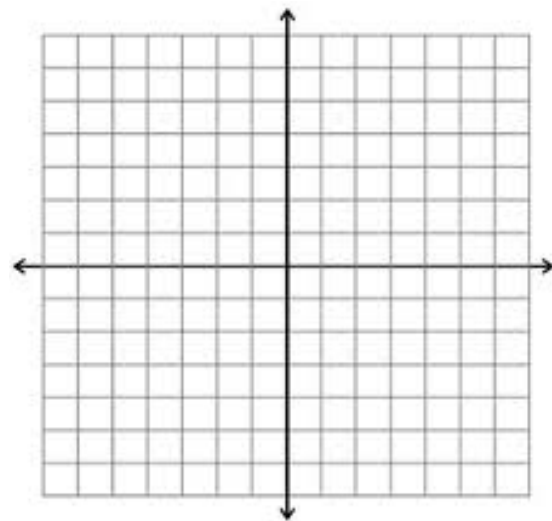
2.
$$\begin{cases} y = \frac{1}{2}x - 2 \\ y = -3x + 5 \end{cases}$$



3.
$$\begin{cases} y = \frac{3}{2}x + 6 \\ x + y = 1 \end{cases}$$

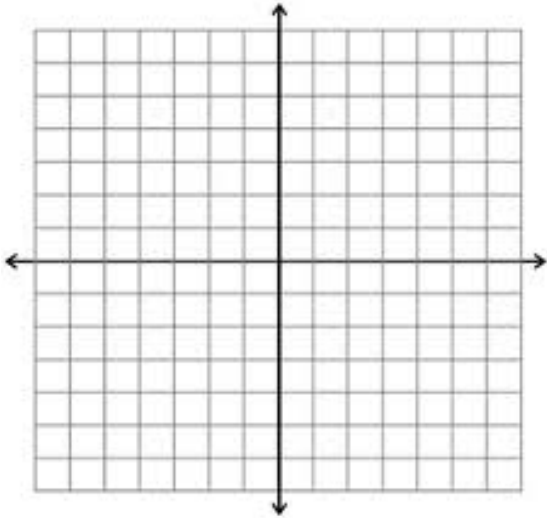


4.
$$\begin{cases} y = -5x \\ y = x - 6 \end{cases}$$

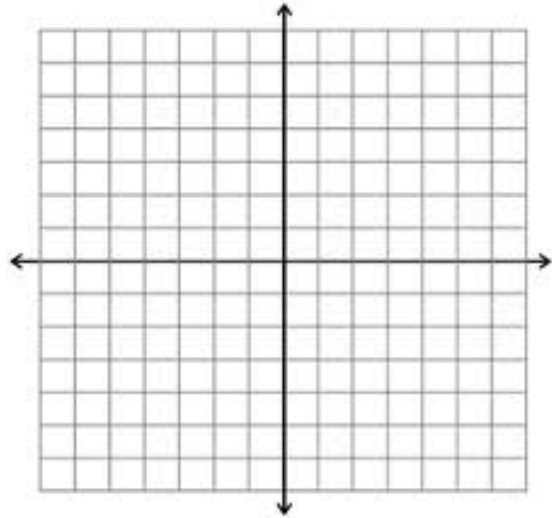


5-1: Solving Systems by Graphing

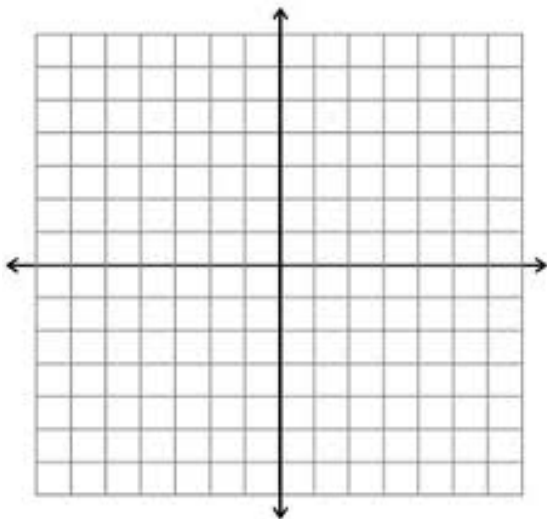
5.
$$\begin{cases} -3x + y = 5 \\ y = 7 \end{cases}$$



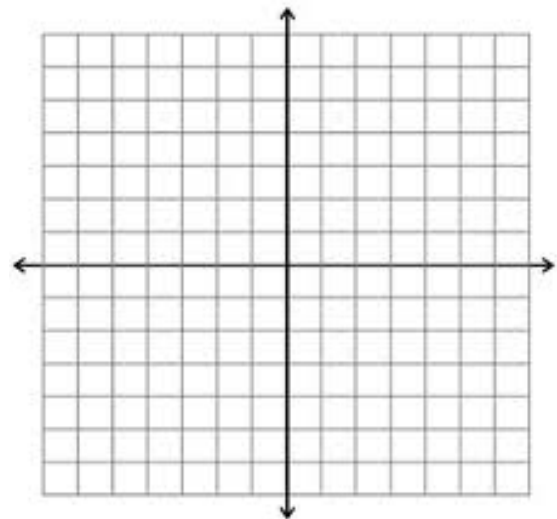
6.
$$\begin{cases} y = -4x - 6 \\ y = x + 9 \end{cases}$$



7.
$$\begin{cases} y = \frac{3}{4}x - 5 \\ 3x - 4y = 20 \end{cases}$$



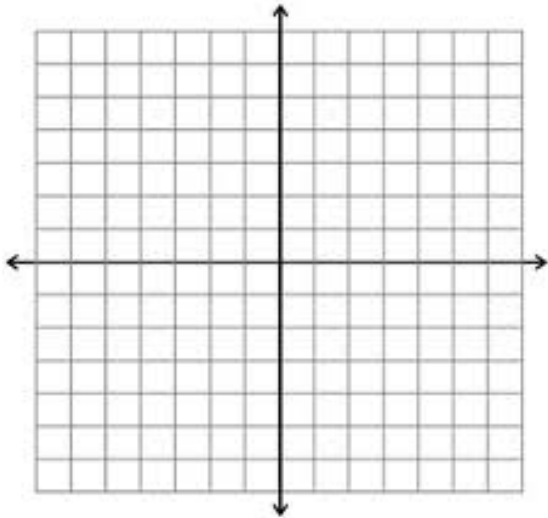
8.
$$\begin{cases} y = \frac{4}{3}x - 3 \\ y = -\frac{2}{3}x + 3 \end{cases}$$



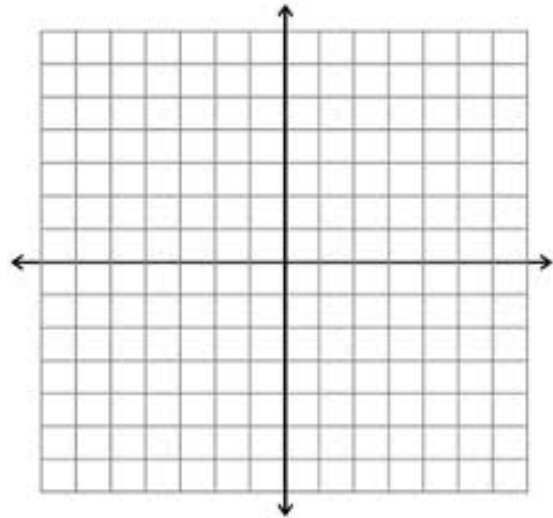
LT#2: Analyze special systems.

Solve each system by graphing. Tell whether the system has *one solution*, *infinitely many solutions*, or *no solution*.

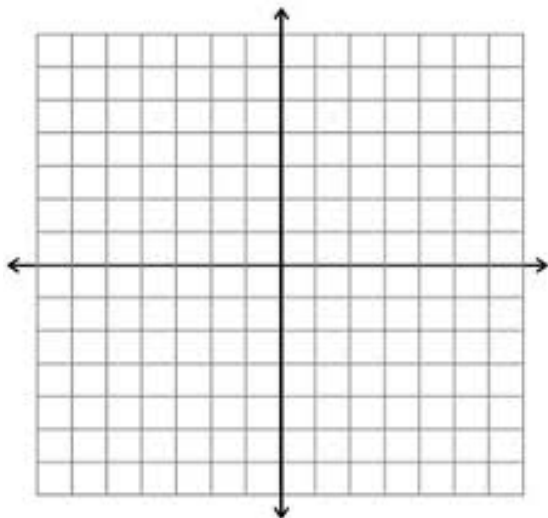
9.
$$\begin{cases} y = 3x + 5 \\ x + y = -3 \end{cases}$$



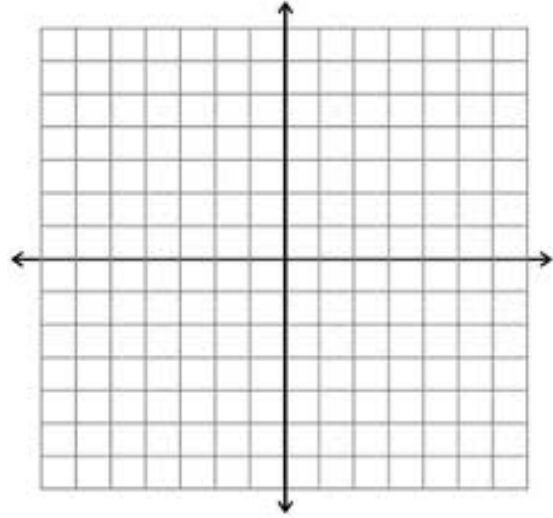
10.
$$\begin{cases} y = 2x + 1 \\ y = -4x + 7 \end{cases}$$



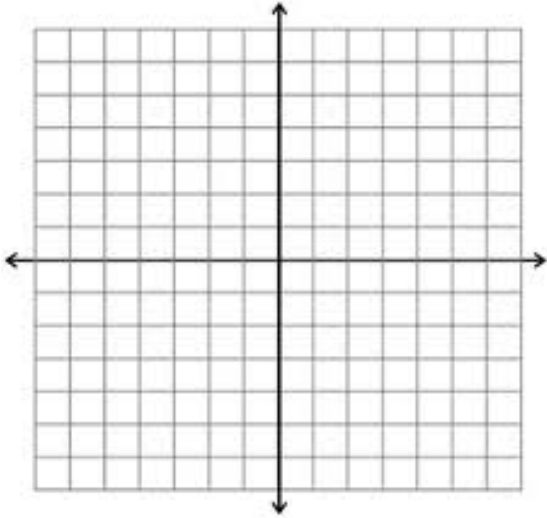
11.
$$\begin{cases} 2x + y = 8 \\ y = \frac{1}{2}x + \frac{1}{2} \end{cases}$$



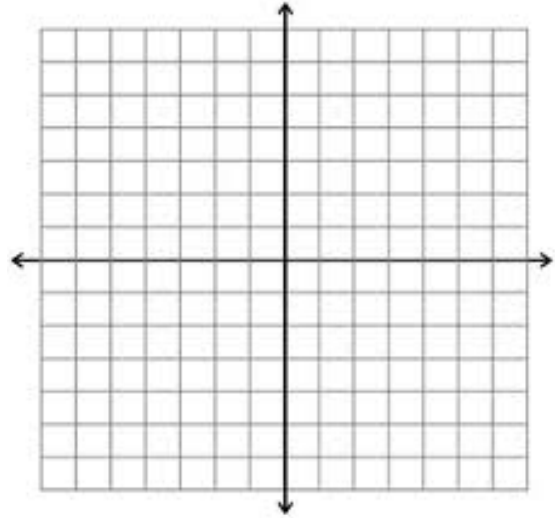
12.
$$\begin{cases} y = -2x + 1 \\ y = -\frac{2}{3}x + 5 \end{cases}$$



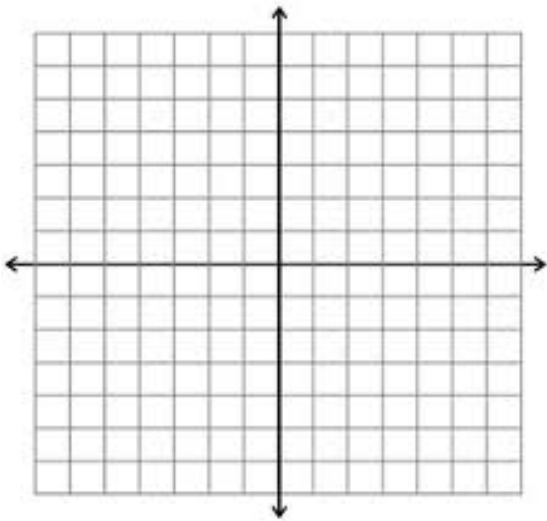
13.
$$\begin{cases} y = -3x + 2 \\ 3x + y = 1 \end{cases}$$



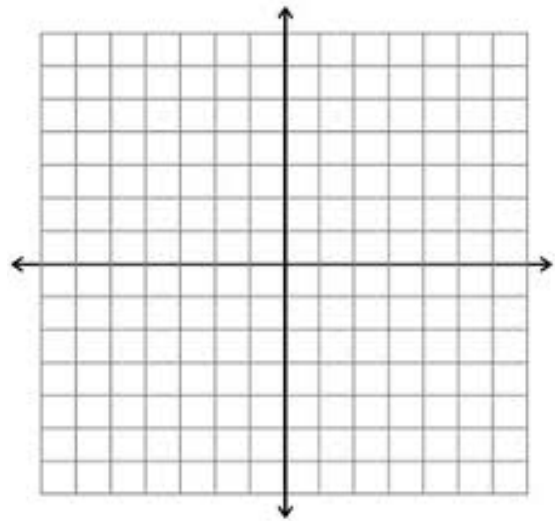
14.
$$\begin{cases} y = 5x - 15 \\ y = \frac{3}{4}x + 2 \end{cases}$$



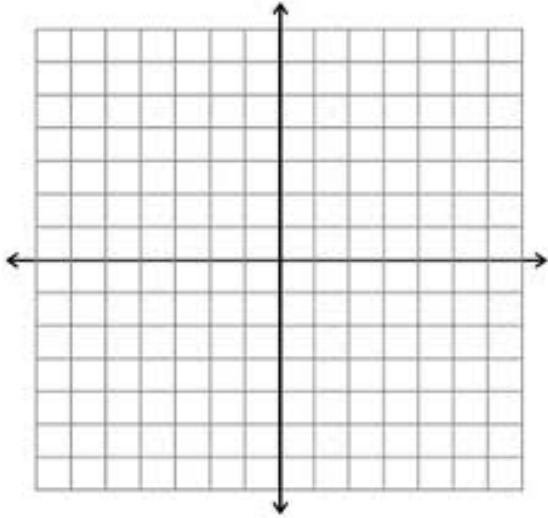
15.
$$\begin{cases} y = \frac{1}{2}x - 6 \\ y = -\frac{1}{4}x \end{cases}$$



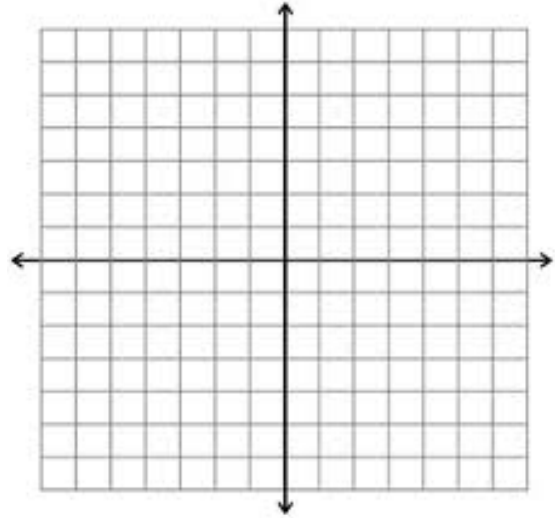
16.
$$\begin{cases} y = 6x + 4 \\ -2 + y = 6x \end{cases}$$



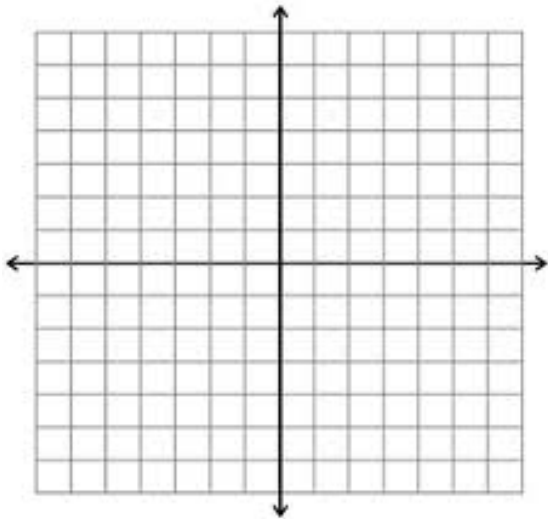
17.
$$\begin{cases} y = -x - 7 \\ y = 2x + 5 \end{cases}$$



18.
$$\begin{cases} 18x - 3y = 21 \\ -y = -6x + 7 \end{cases}$$



19.
$$\begin{cases} y = 5x - 6 \\ x + y = -6 \end{cases}$$



20.
$$\begin{cases} y = -\frac{3}{2}x - 3 \\ y = \frac{1}{4}x + 4 \end{cases}$$

