

Solving Systems of Linear Equations – 3 Methods

Substitution, Elimination, and Graphing

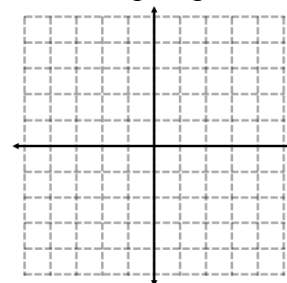
Solve each system of equations using all three methods that we have learned. (You should get the same answer using all three methods.)

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

Substitution:

Elimination:

Graphing:

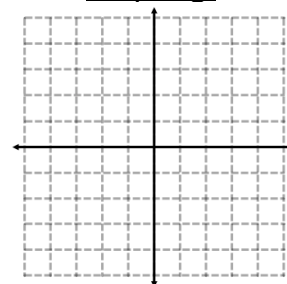


2.
$$\begin{cases} y = -x + 2 \\ 5y = 2x - 25 \end{cases}$$

Substitution:

Elimination:

Graphing:

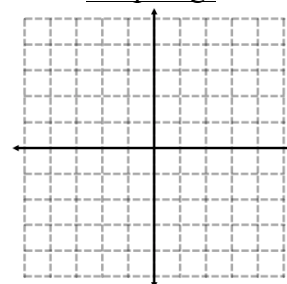


3.
$$\begin{cases} y = x + 5 \\ y + 1 = -2x \end{cases}$$

Substitution:

Elimination:

Graphing:



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

Substitution:

Elimination:

Graphing:

