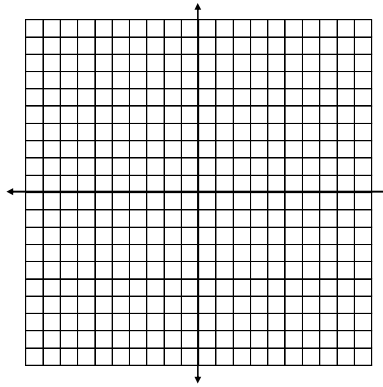


SYSTEMS OF EQUATIONS QUIZ #1

Solve by Graphing & Substitution

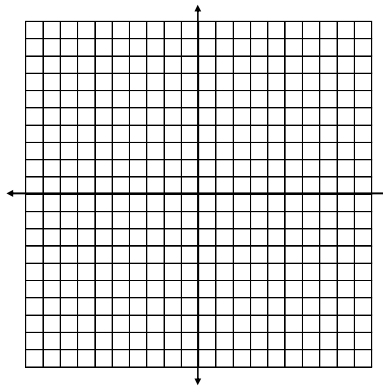
Solve each system of equations using the graphing method. Graph each line on the coordinate plane provided and state the solution in the answer space. Answers may include special solutions.

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



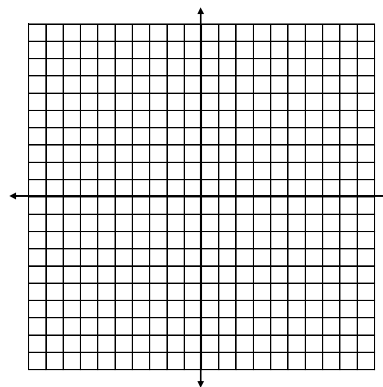
Solution:

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



Solution:

3.
$$\begin{cases} 3y = -2x + 6 \\ 4x + 6y = 24 \end{cases}$$



Solution:

Solve each system of equations using the substitution method. Show all work and state the solution in the answer space. Answers may include special solutions.

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

Solution:

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

Solution:

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

Solution: