

Algebra I
7.2 Worksheet
Solving Systems by Graphing

NAME: _____
DATE: _____ HOUR: _____

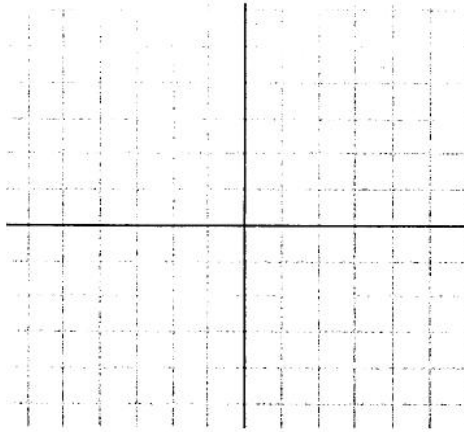
Graph each line of the system to determine the solution then check your solution.

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

solution: (,)

check:

$$\begin{cases} (\quad) = 3(\quad) - 4 \\ (\quad) = -3(\quad) + 2 \end{cases}$$

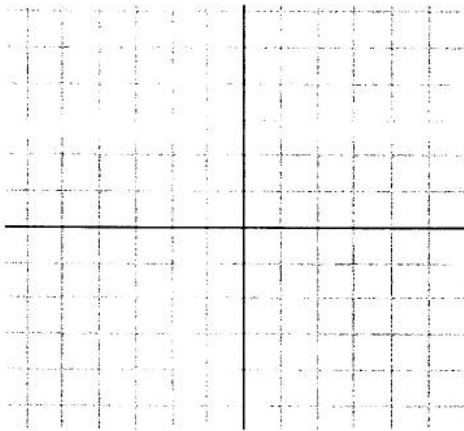


2.
$$\begin{cases} y = \frac{1}{2}x + 4 \\ y = -x + 1 \end{cases}$$

solution: (,)

check:

$$\begin{cases} (\quad) = \frac{1}{2}(\quad) + 4 \\ (\quad) = -(\quad) + 1 \end{cases}$$

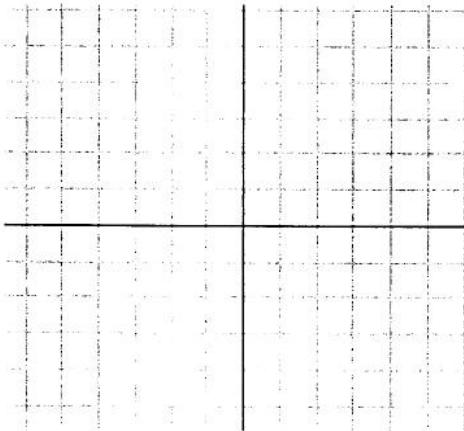


3.
$$\begin{cases} y = x + 4 \\ y = -x - 4 \end{cases}$$

solution: (,)

check:

$$\begin{cases} (\quad) = (\quad) + 4 \\ (\quad) = -(\quad) - 4 \end{cases}$$

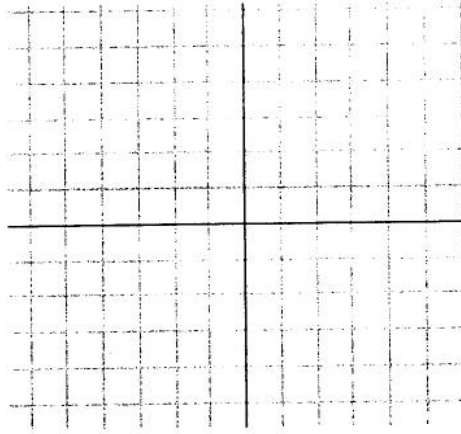


$$4. \begin{cases} y = 1/3x + 2 \\ y = -x - 2 \end{cases}$$

solution: (,)

check:

$$\begin{cases} (\quad) = 1/3(\quad) + 2 \\ (\quad) = -(\quad) - 2 \end{cases}$$

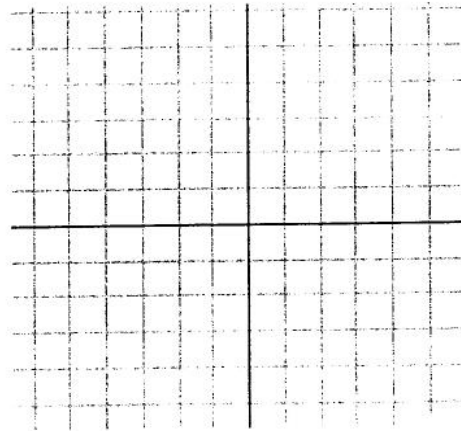


$$5. \begin{cases} y = -1/2x - 4 \\ y = 3/4x + 1 \end{cases}$$

solution: (,)

check:

$$\begin{cases} (\quad) = -1/2(\quad) - 4 \\ (\quad) = 3/4(\quad) + 1 \end{cases}$$

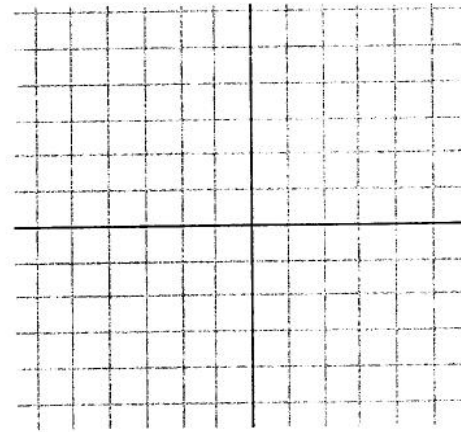


$$6. \begin{cases} y = x - 2 \\ y = -x + 4 \end{cases}$$

solution: (,)

check:

$$\begin{cases} (\quad) = (\quad) - 2 \\ (\quad) = -(\quad) + 4 \end{cases}$$



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

solution: (,)

check:

$$\begin{cases} (\quad) = -(\quad) + 2 \\ (\quad) = (\quad) - 4 \end{cases}$$

