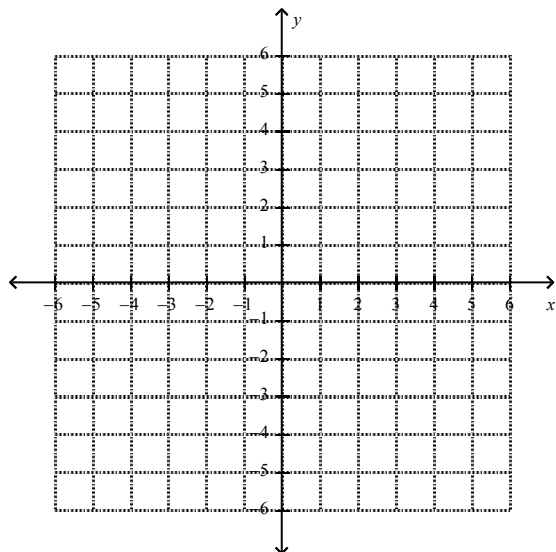


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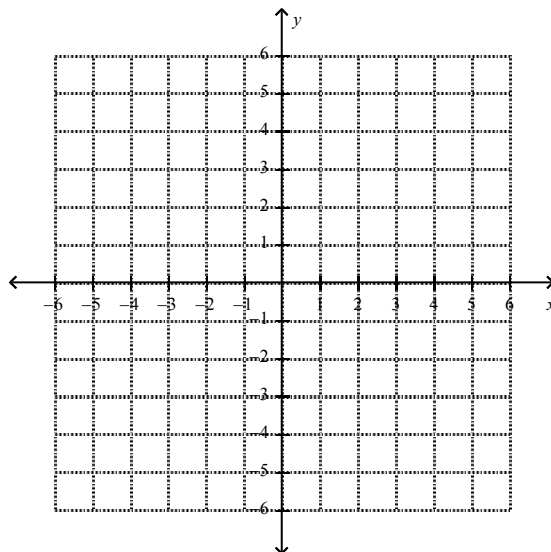
Systems of Linear Equations Review Assignment

Solve the following linear systems by using the *graphing* method.

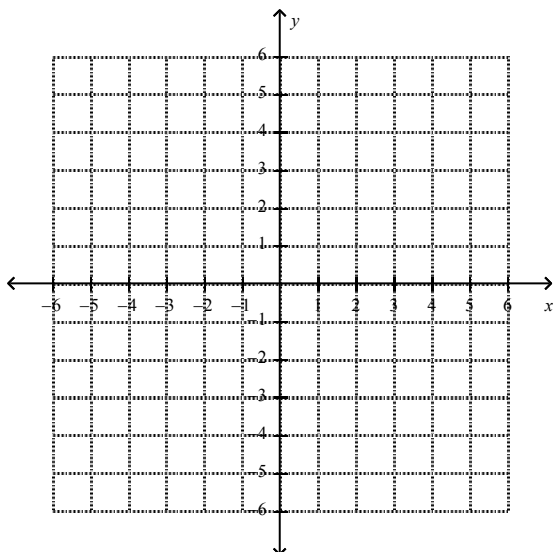
1)
$$\begin{cases} y = x + 3 \\ y = -2x + 3 \end{cases}$$



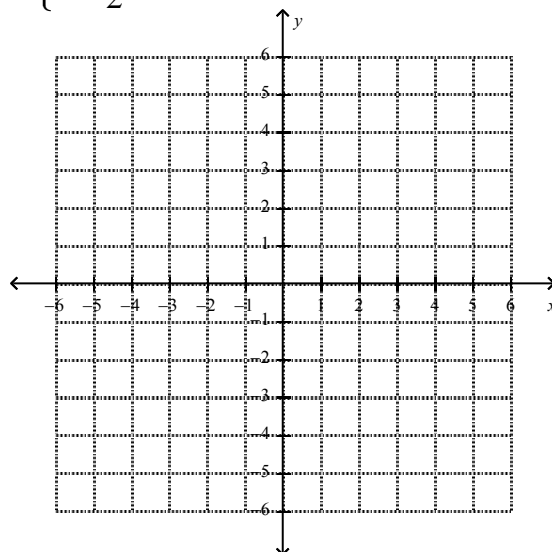
2)
$$\begin{cases} y = x + 2 \\ y = 4x - 1 \end{cases}$$



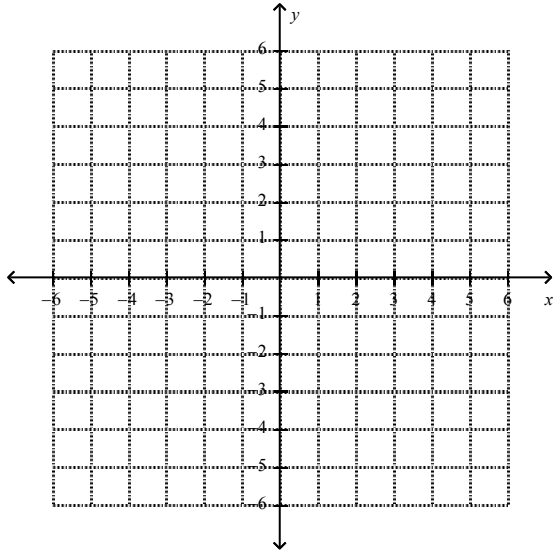
3)
$$\begin{cases} y = 2x + 3 \\ y = \frac{1}{2}x \end{cases}$$



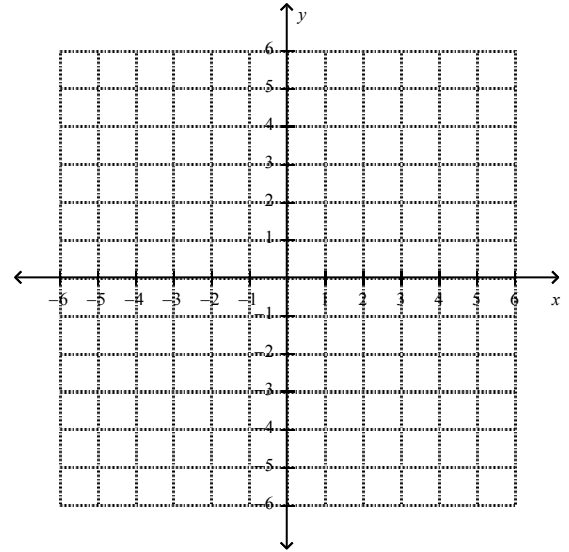
4)
$$\begin{cases} y = -\frac{3}{2}x + 2 \\ y = \frac{1}{2}x - 2 \end{cases}$$



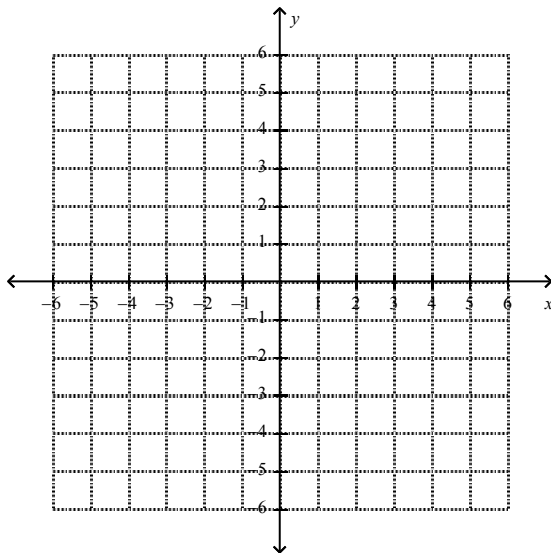
$$5) \begin{cases} x = 5 \\ y = 2 \end{cases}$$



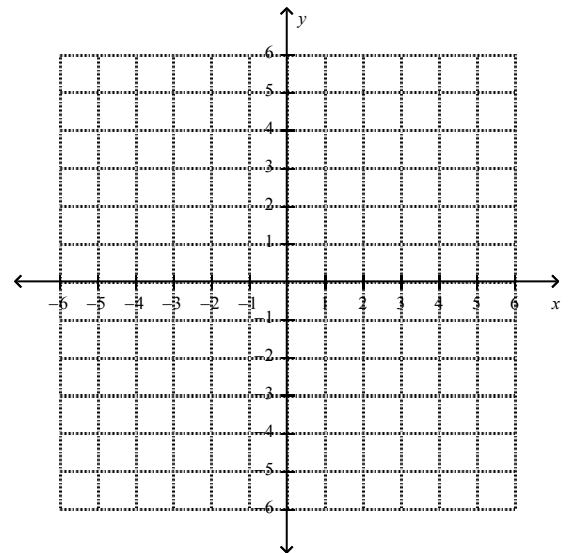
$$6) \begin{cases} y = 2x - 2 \\ y = 2x + 5 \end{cases}$$



$$7) \begin{cases} y = -\frac{3}{4}x + 3 \\ y = \frac{3}{2}x - 6 \end{cases}$$



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



Use the *substitution* method to solve the following systems of equations.

$$9) \quad \begin{cases} y = x - 2 \\ 2x + 2y = 4 \end{cases}$$

$$10) \quad \begin{cases} x = -4y - 4 \\ 3x + 5y = 2 \end{cases}$$

$$11) \quad \begin{cases} y = -2x - 1 \\ x - 2y = 12 \end{cases}$$

$$12) \quad \begin{cases} -3x - 7y = 1 \\ y = -2x + 3 \end{cases}$$

$$13) \quad \begin{cases} 3x - y = 30 \\ y = -x + 14 \end{cases}$$

$$14) \quad \begin{cases} x = -6y + 15 \\ -x + 4y = 5 \end{cases}$$

$$15) \quad \begin{cases} 2x + y = 2 \\ y = 3x + 2 \end{cases}$$

$$16) \quad \begin{cases} 6x - 3y = 6 \\ y = 2x + 5 \end{cases}$$

Use the *elimination* method to solve the following systems of equations.

$$17) \begin{cases} x + 2y = 7 \\ 3x - 2y = -3 \end{cases}$$

$$18) \begin{cases} 3x + 5y = 10 \\ x - 5y = -10 \end{cases}$$

$$19) \begin{cases} 3x + y = 20 \\ x + y = 12 \end{cases}$$

$$20) \begin{cases} x + 3y = 11 \\ 2x + 3y = 4 \end{cases}$$

$$21) \begin{cases} 2x + 5y = -1 \\ x + 2y = 0 \end{cases}$$

$$22) \begin{cases} 3x + 6y = 6 \\ 2x - 3y = 4 \end{cases}$$

$$23) \begin{cases} 4x - y = 6 \\ 3x + 2y = 21 \end{cases}$$

$$24) \begin{cases} 3x + 5y = 10 \\ 5x + 7y = 10 \end{cases}$$