

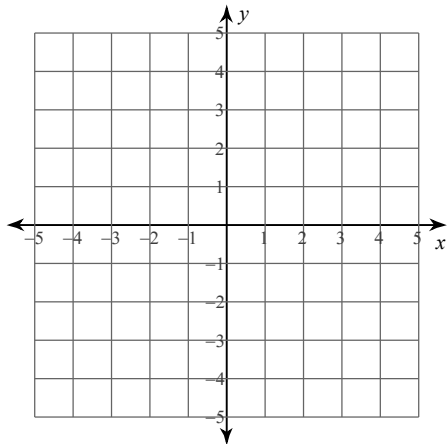
Solving Linear Systems using Graphing and Substitution

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Solve each system by graphing.

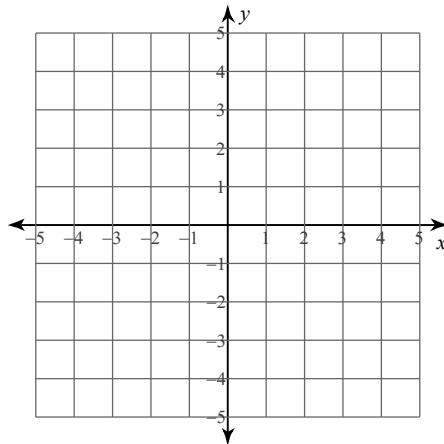
1) $y = -x + 4$

$y = \frac{1}{2}x + 1$



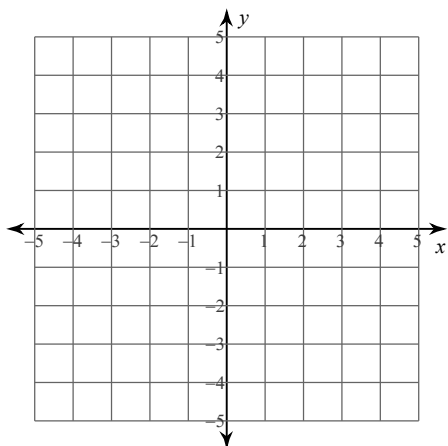
2) $y = -\frac{1}{2}x - 3$

$y = 2x + 2$



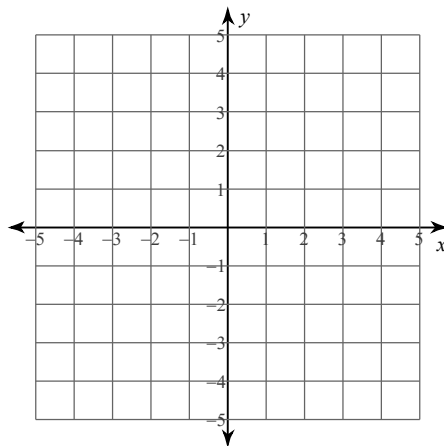
3) $y = -2x + 4$

$y = -\frac{1}{2}x - 2$

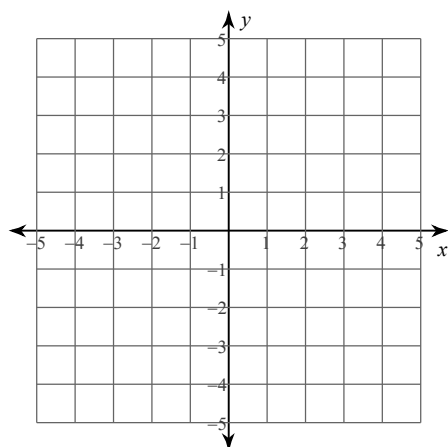


4) $y = -3x - 4$

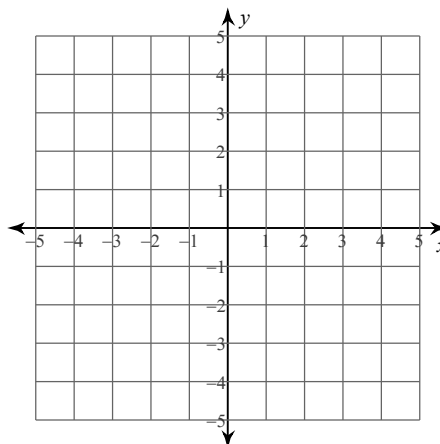
$y = 5x + 4$



$$5) \begin{aligned} y &= 6x - 3 \\ y &= -x + 4 \end{aligned}$$



$$6) \begin{aligned} y &= \frac{1}{4}x - 3 \\ y &= \frac{7}{4}x + 3 \end{aligned}$$



Solve each system by substitution.

$$7) \begin{aligned} y &= -4x - 10 \\ 6x - y &= 0 \end{aligned}$$

$$8) \begin{aligned} y &= 5x \\ 4x + 2y &= 0 \end{aligned}$$

$$9) \begin{aligned} 8x + 5y &= -19 \\ y &= -4x + 1 \end{aligned}$$

$$10) \begin{aligned} 5x + 6y &= 12 \\ y &= -3x + 15 \end{aligned}$$

$$11) \begin{aligned} y &= -8x + 15 \\ -2x - y &= -9 \end{aligned}$$

$$12) \begin{aligned} 5x + 3y &= -9 \\ y &= 5x - 3 \end{aligned}$$

$$13) \begin{aligned} y &= -8x - 2 \\ 4x + 7y &= -14 \end{aligned}$$

$$14) \begin{aligned} y &= 4x + 1 \\ -8x + 4y &= 12 \end{aligned}$$

$$15) \begin{aligned} y &= -8x + 4 \\ 4x + 6y &= -20 \end{aligned}$$

$$16) \begin{aligned} -6x + 4y &= -6 \\ y &= 7x + 4 \end{aligned}$$

$$17) \begin{aligned} -6x - y &= -16 \\ y &= 5x - 6 \end{aligned}$$

$$18) \begin{aligned} -x - 3y &= 23 \\ y &= 2x + 4 \end{aligned}$$

$$19) \begin{aligned} 6x + 5y &= -7 \\ y &= -5x + 10 \end{aligned}$$

$$20) \begin{aligned} 7x + 4y &= -8 \\ y &= 6x - 2 \end{aligned}$$