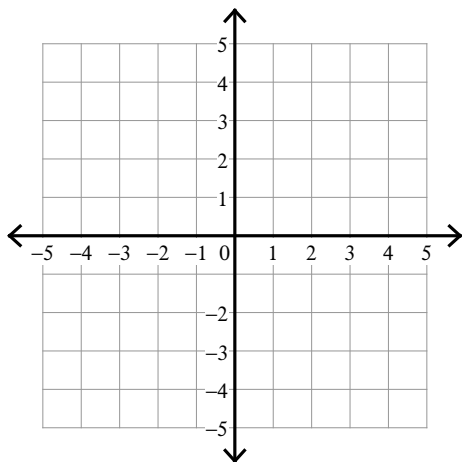


Solving Systems of Inequalities

Sketch the solution to each system of inequalities.

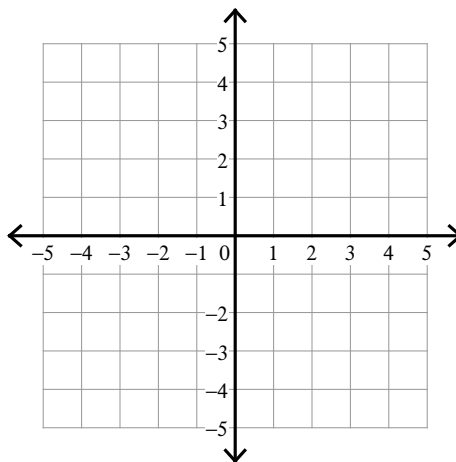
1) $y \leq \frac{5}{2}x - 2$

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



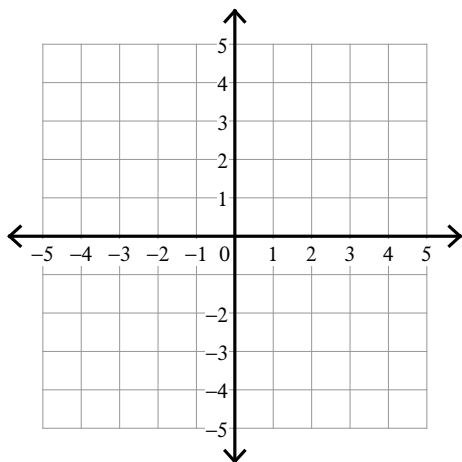
2) $y \geq \frac{5}{2}x + 2$

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

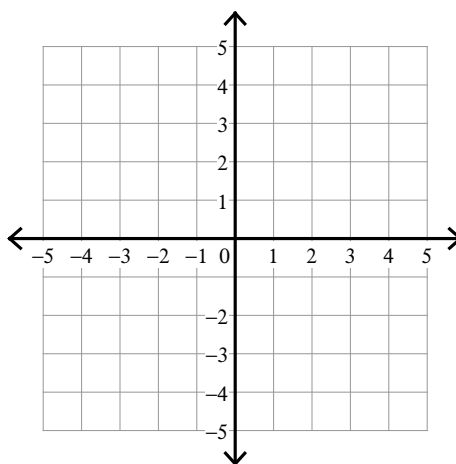


3) $y \leq \frac{1}{2}x + 2$

$y > 3x - 3$

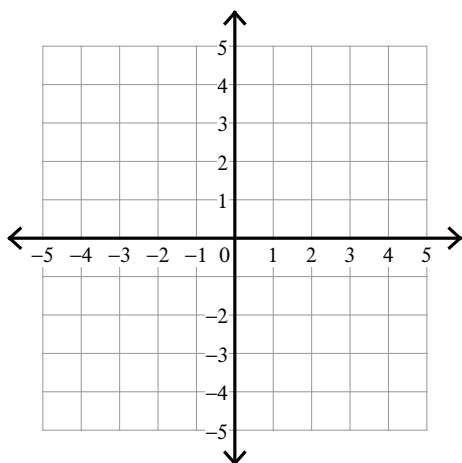


4) $y < -3$
 $y \geq 4x + 1$



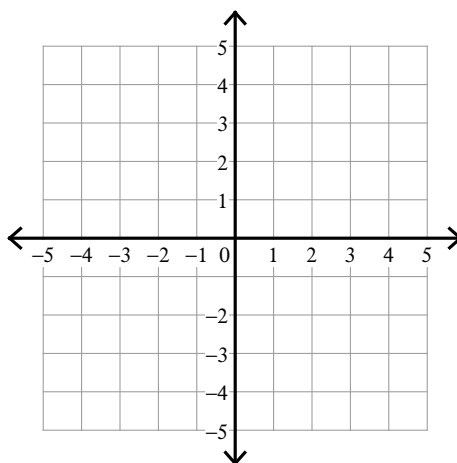
$$5) y \geq \frac{1}{3}x - 1$$

$$y \leq \frac{4}{3}x + 2$$



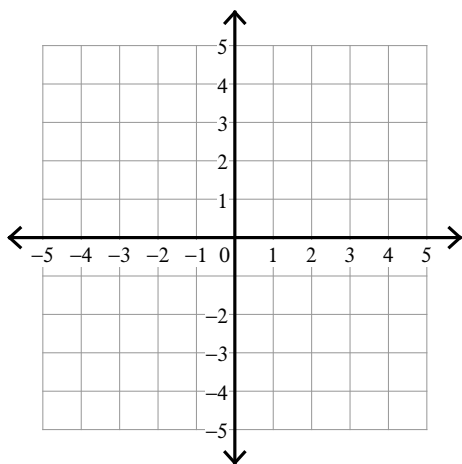
$$6) y > -\frac{1}{3}x - 3$$

$$y \leq \frac{5}{3}x + 3$$



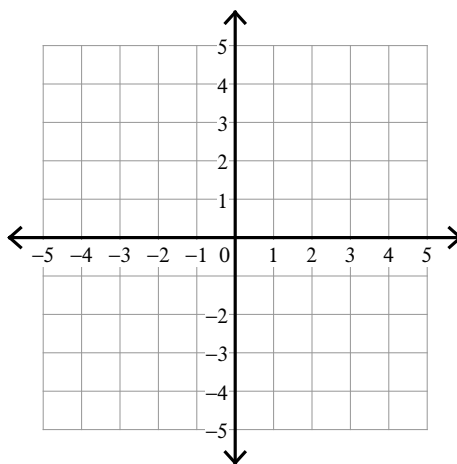
$$7) 2x + y < -3$$

$$2x - y \leq -1$$



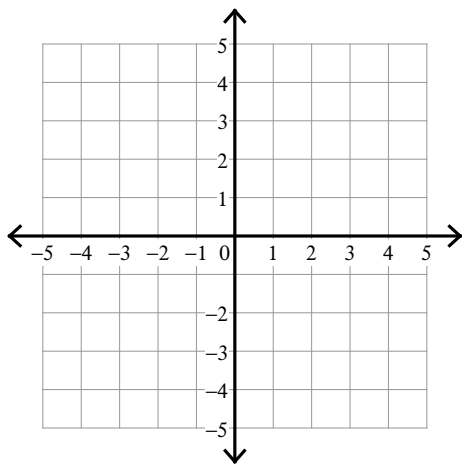
$$8) 3x + y > -3$$

$$x + 2y < 4$$



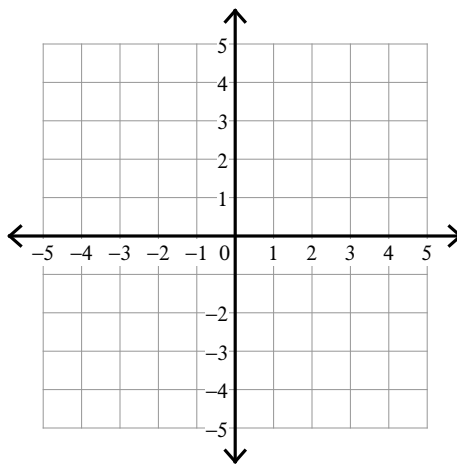
$$9) x + y \geq -3$$

$$5x - y \leq -3$$



$$10) 3x - y \geq -1$$

$$x + y \leq -3$$

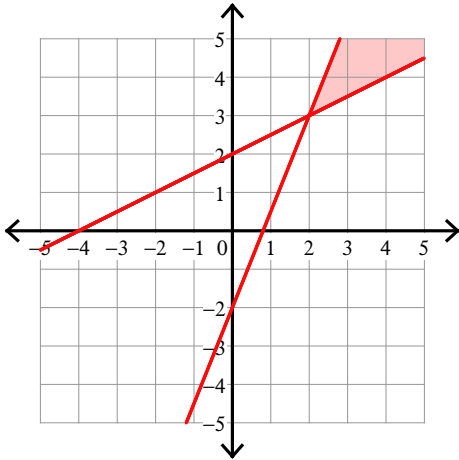


Solving Systems of Inequalities

Sketch the solution to each system of inequalities.

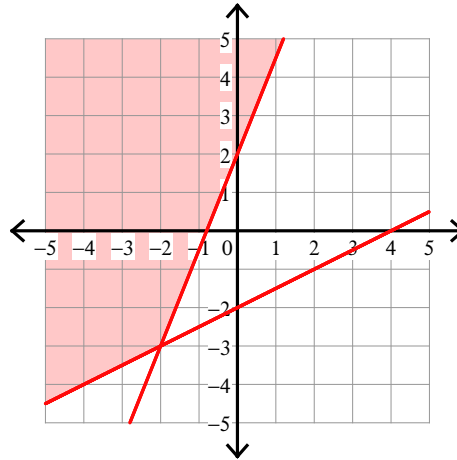
1) $y \leq \frac{5}{2}x - 2$

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



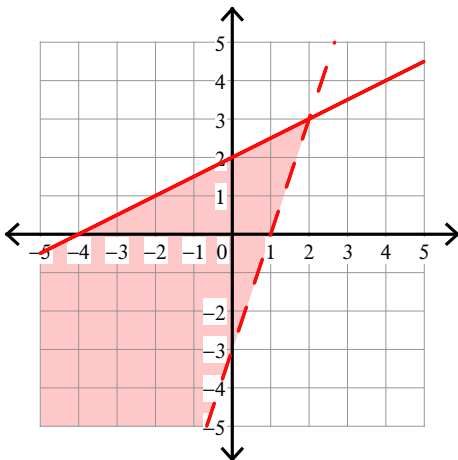
2) $y \geq \frac{5}{2}x + 2$

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



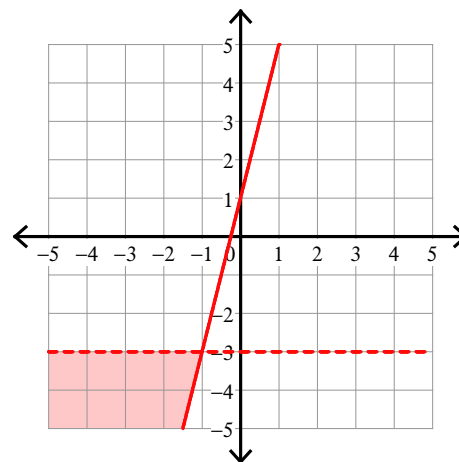
3) $y \leq \frac{1}{2}x + 2$

$y > 3x - 3$



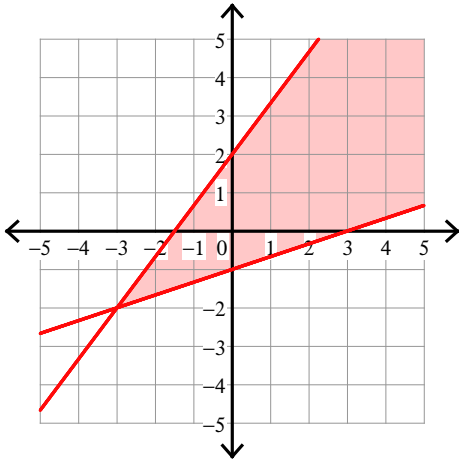
4) $y < -3$

$y \geq 4x + 1$



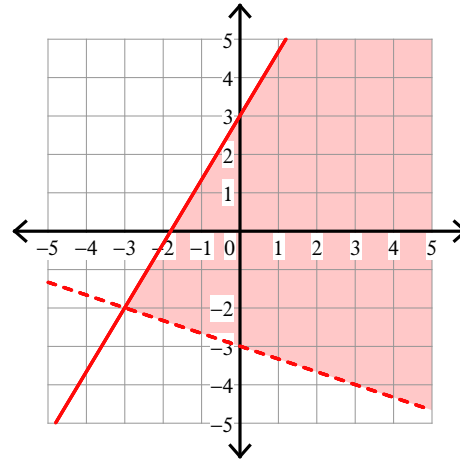
$$5) y \geq \frac{1}{3}x - 1$$

$$y \leq \frac{4}{3}x + 2$$



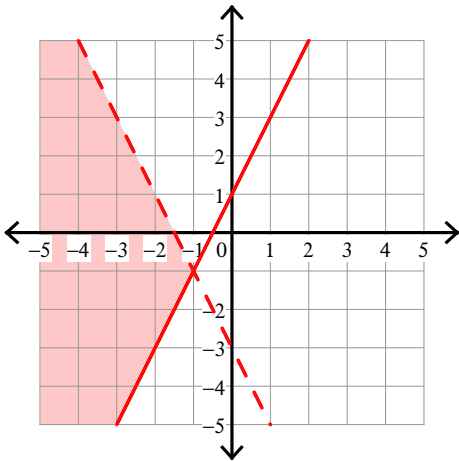
$$6) y > -\frac{1}{3}x - 3$$

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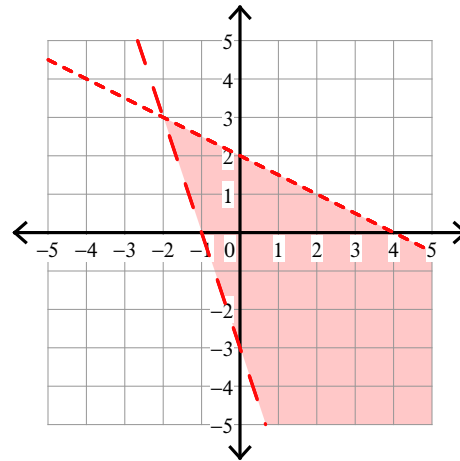
$$7) 2x + y < -3$$

$$2x - y \leq -1$$



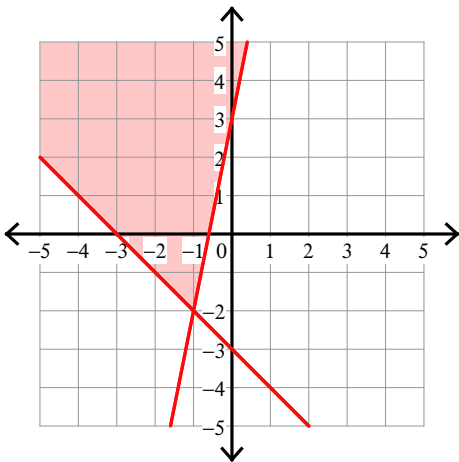
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$$10) 3x - y \geq -1$$

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