

## Assignment

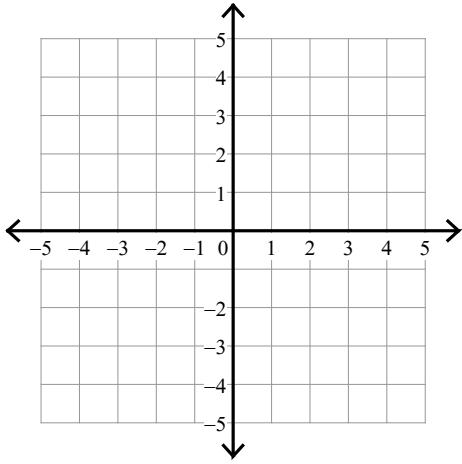
Name \_\_\_\_\_

Date \_\_\_\_\_ Period \_\_\_\_\_

Sketch the solution to each system of inequalities.

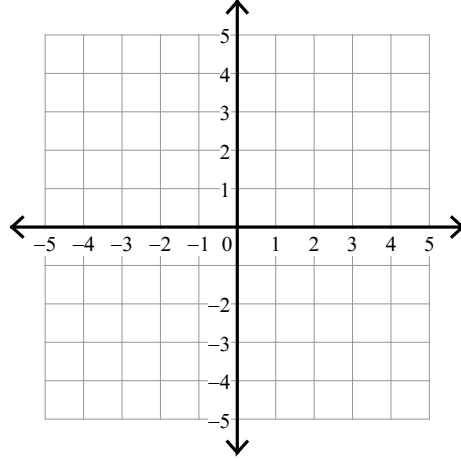
1)  $y \leq \frac{2}{3}x + 3$

$y > -\frac{4}{3}x - 3$



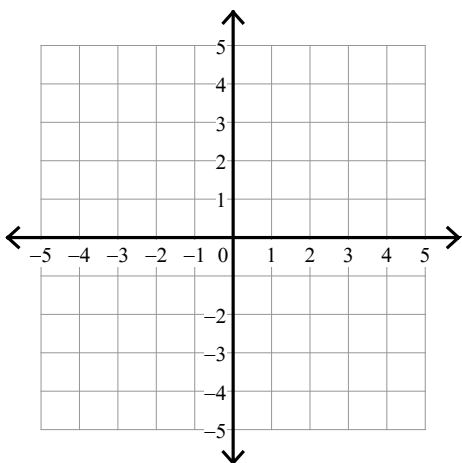
2)  $y \leq -\frac{1}{2}x - 2$

$y < -3x + 3$



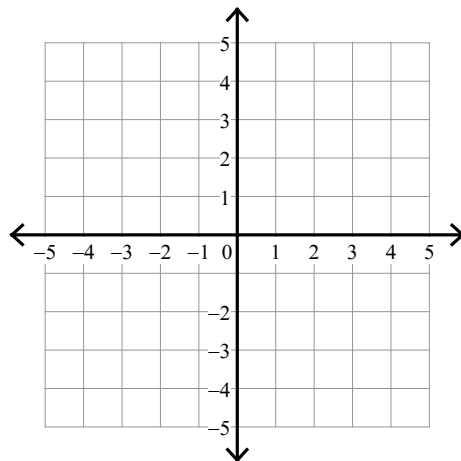
3)  $y \geq -\frac{5}{2}x + 2$

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

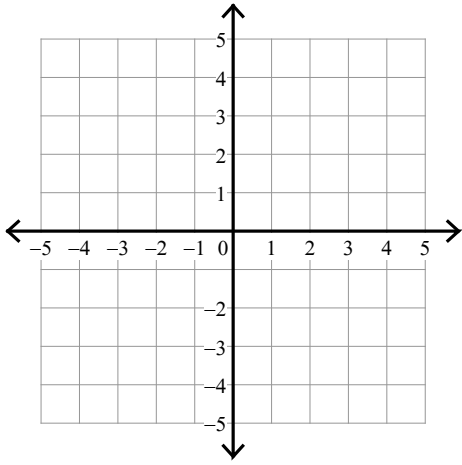


4)  $y < -3$

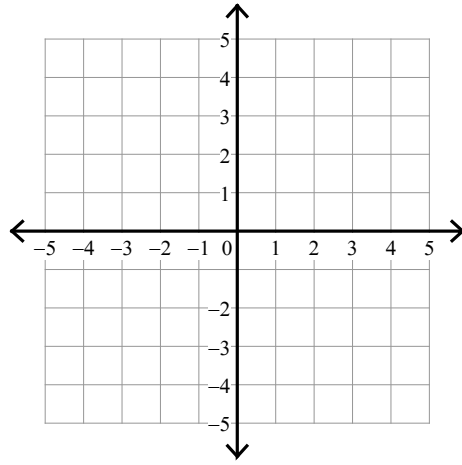
$y \geq \frac{5}{2}x + 2$



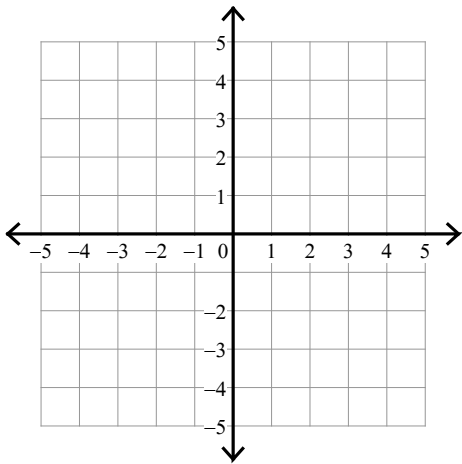
$$5) \begin{aligned} y &\leq -5x + 2 \\ y &\leq -5x - 2 \end{aligned}$$



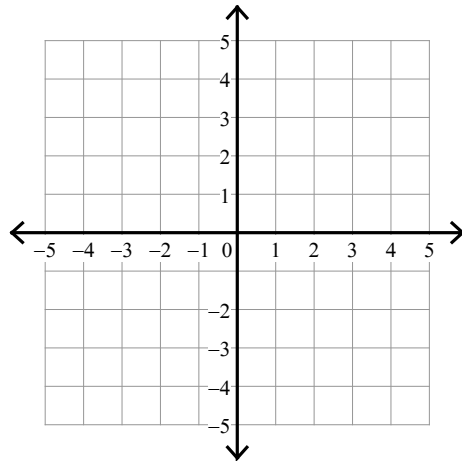
$$6) \begin{aligned} y &< 4x - 1 \\ y &\geq x + 2 \end{aligned}$$



$$7) \begin{aligned} y &\geq \frac{3}{2}x - 2 \\ y &\geq -\frac{1}{2}x + 2 \end{aligned}$$



$$8) \begin{aligned} y &< -x - 3 \\ y &\geq x - 1 \end{aligned}$$



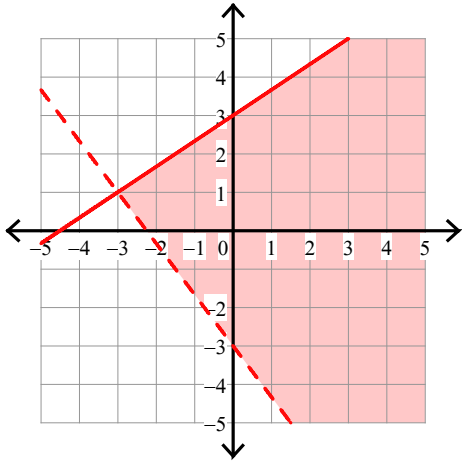
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Name \_\_\_\_\_ Date \_\_\_\_\_ Period \_\_\_\_\_

Sketch the solution to each system of inequalities.

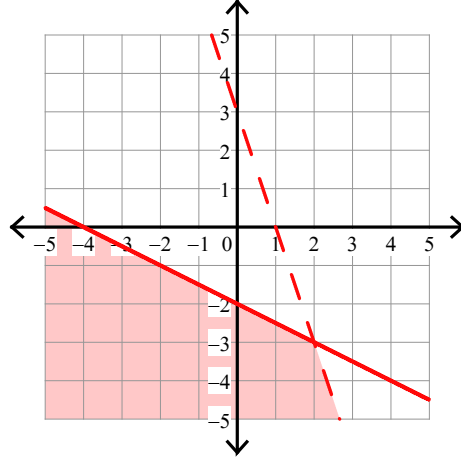
1)  $y \leq \frac{2}{3}x + 3$

$y > -\frac{4}{3}x - 3$



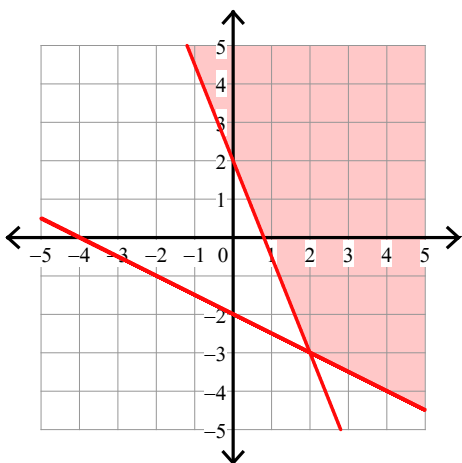
2)  $y \leq -\frac{1}{2}x - 2$

$y < -3x + 3$



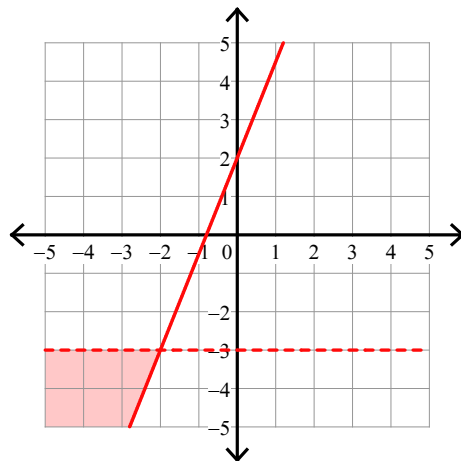
3)  $y \geq -\frac{5}{2}x + 2$

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

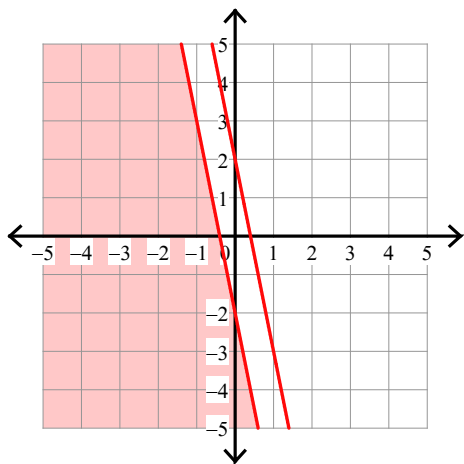


4)  $y < -3$

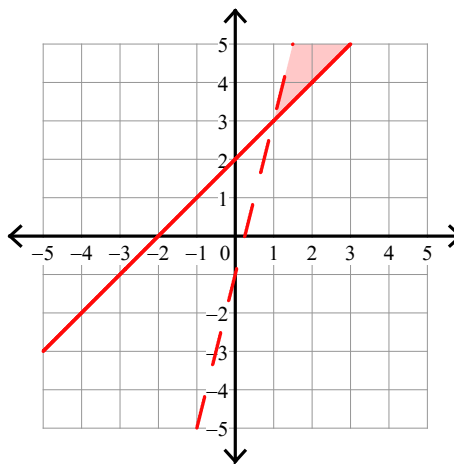
$y \geq \frac{5}{2}x + 2$



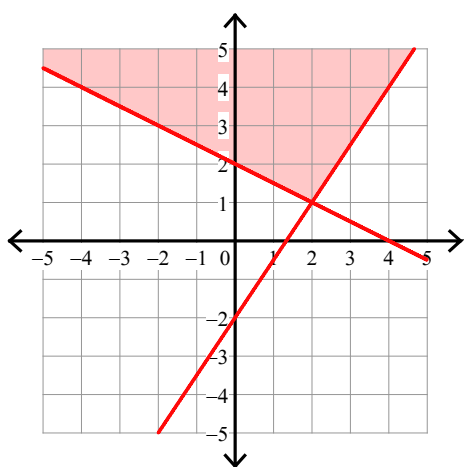
$$5) \begin{aligned} y &\leq -5x + 2 \\ y &\leq -5x - 2 \end{aligned}$$



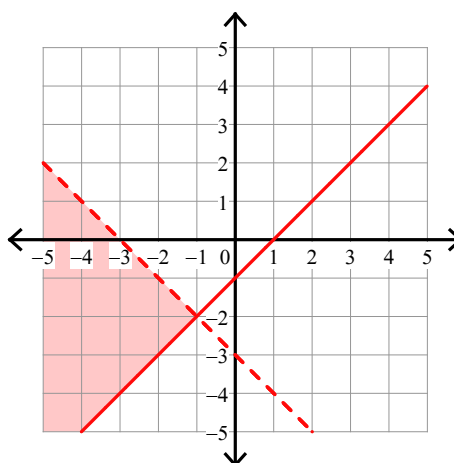
$$6) \begin{aligned} y &< 4x - 1 \\ y &\geq x + 2 \end{aligned}$$



$$7) \begin{aligned} y &\geq \frac{3}{2}x - 2 \\ y &\geq -\frac{1}{2}x + 2 \end{aligned}$$



$$8) \begin{aligned} y &< -x - 3 \\ y &\geq x - 1 \end{aligned}$$

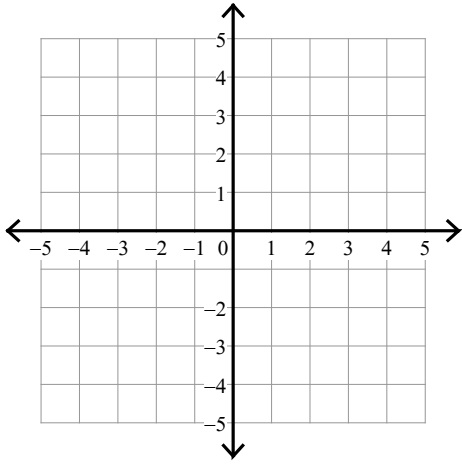


## Assignment

Sketch the solution to each system of inequalities.

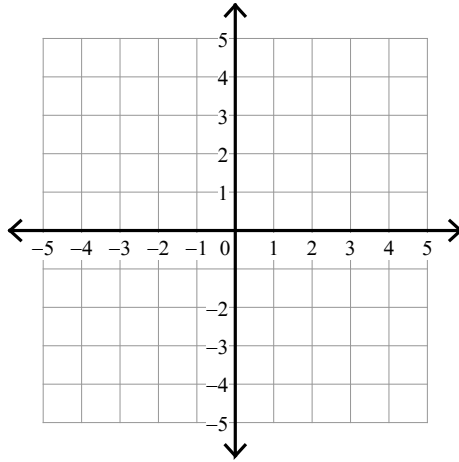
$$1) y > \frac{1}{3}x - 2$$

$$y > -\frac{2}{3}x + 1$$



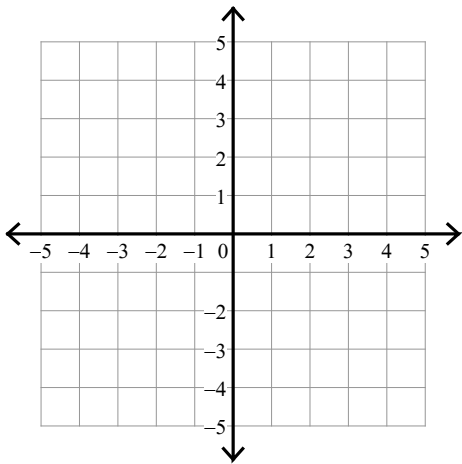
$$2) y \leq -4x - 3$$

$$y < 2x + 3$$



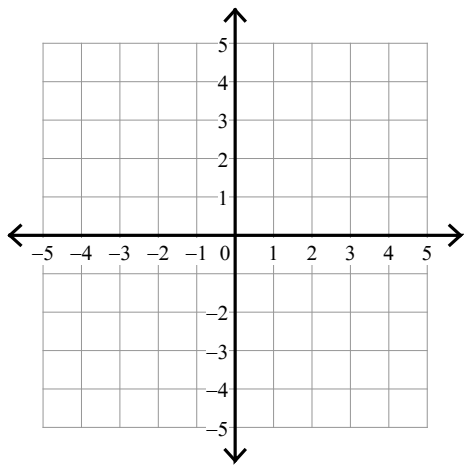
$$3) y \leq x + 2$$

$$y \geq 4x - 1$$



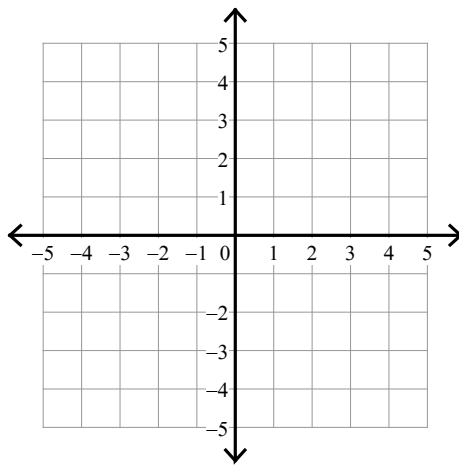
$$4) y \geq \frac{1}{2}x + 1$$

$$y \geq \frac{5}{2}x - 3$$



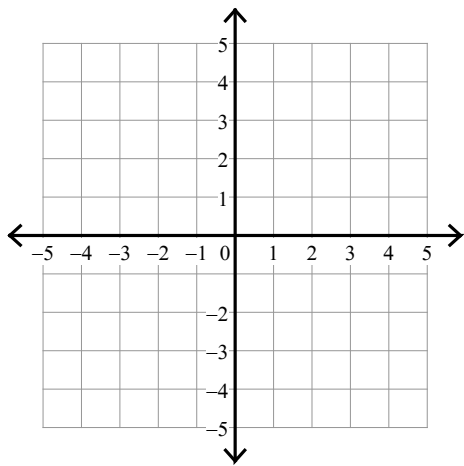
$$5) y < -\frac{5}{2}x - 2$$

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



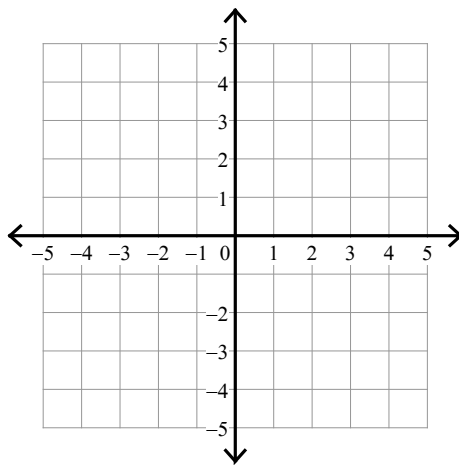
$$6) y > -5x + 2$$

$$y > -x - 2$$



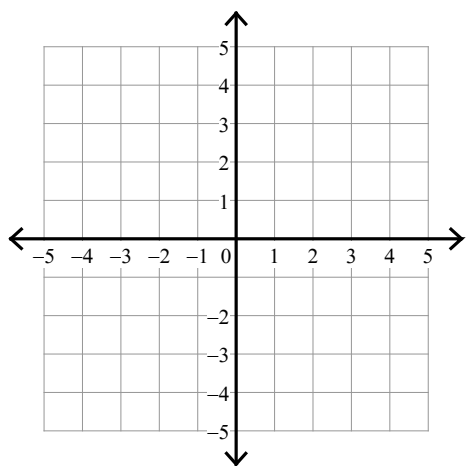
$$7) y > \frac{4}{3}x + 3$$

$$y \leq -\frac{2}{3}x - 3$$



$$8) y \leq -3x + 3$$

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

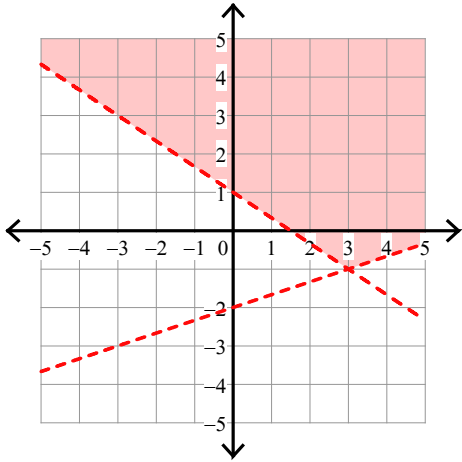


Assignment

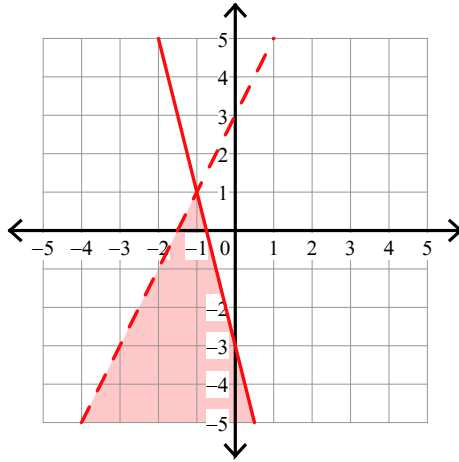
Sketch the solution to each system of inequalities.

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

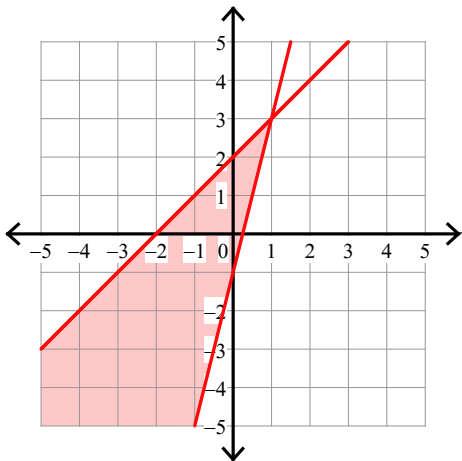
$y > -\frac{2}{3}x + 1$



2)  $y \leq -4x - 3$   
 $y < 2x + 3$



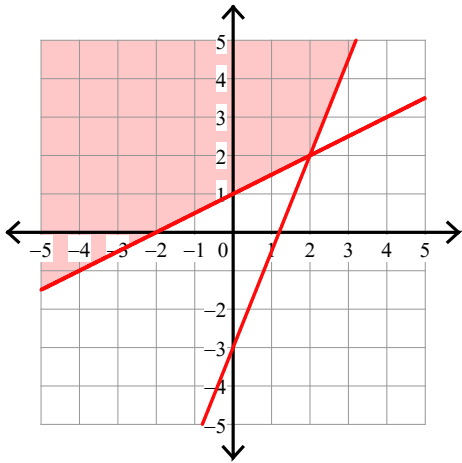
3)  $y \leq x + 2$   
 $y \geq 4x - 1$





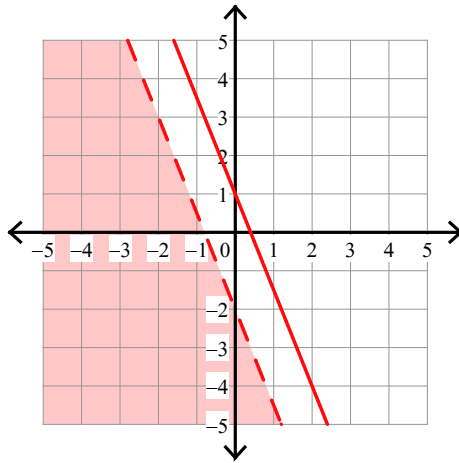
$$4) y \geq \frac{1}{2}x + 1$$

$$y \geq \frac{5}{2}x - 3$$



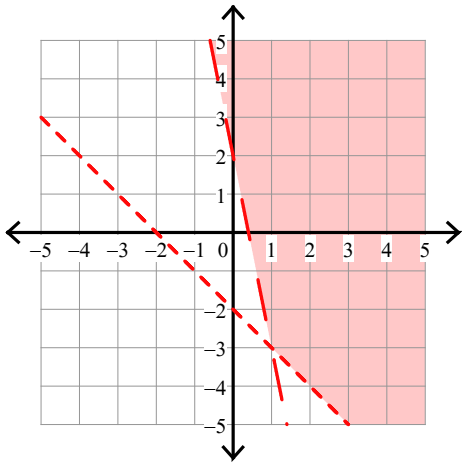
$$5) y < -\frac{5}{2}x - 2$$

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



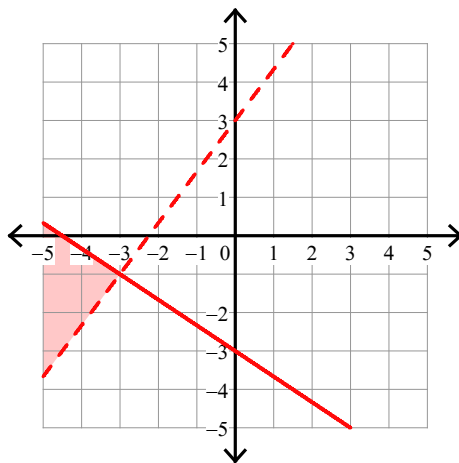
$$6) y > -5x + 2$$

$$y > -x - 2$$



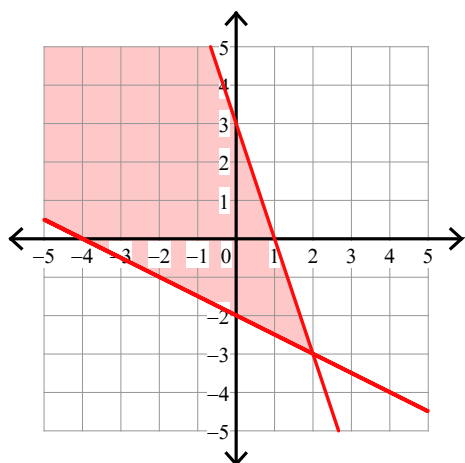
$$7) y > \frac{4}{3}x + 3$$

$$y \leq -\frac{2}{3}x - 3$$



$$8) y \leq -3x + 3$$

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

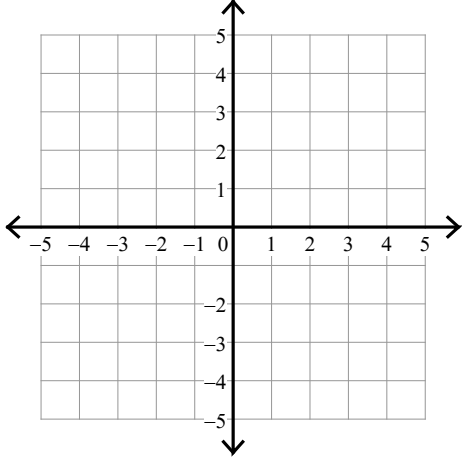


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Sketch the solution to each system of inequalities.

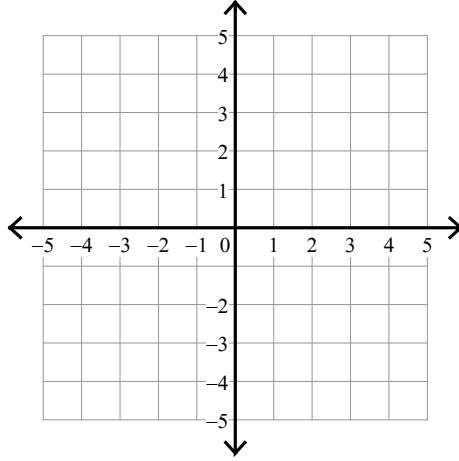
1)  $y < -2x + 1$

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



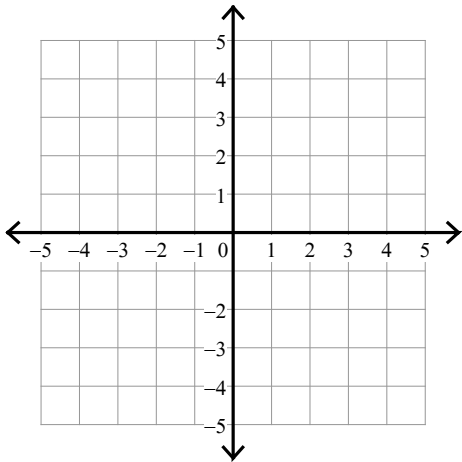
2)  $y \leq -\frac{1}{3}x - 1$

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



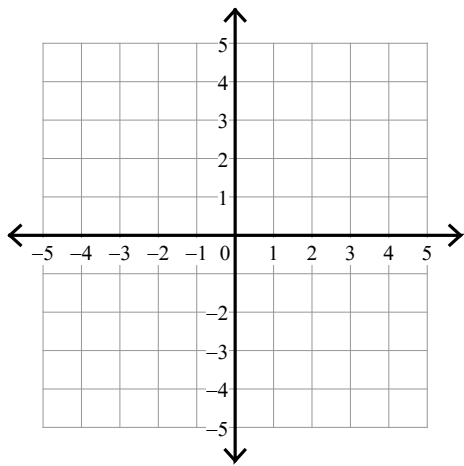
3)  $y > -x - 2$

$$y \leq -4x + 1$$



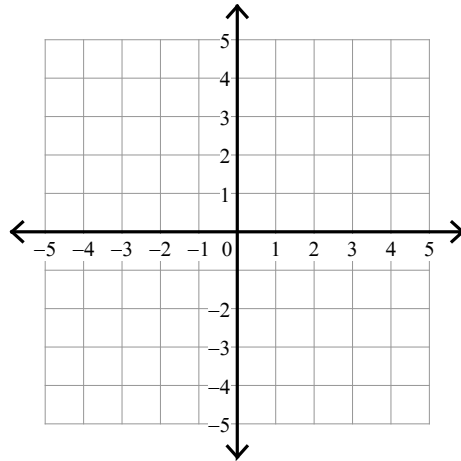
$$4) y > -\frac{1}{2}x + 1$$

$$y > -\frac{5}{2}x - 3$$



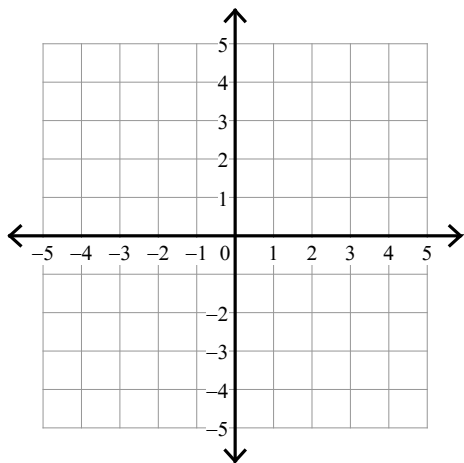
$$5) y \leq 2x - 3$$

$$y < \frac{1}{3}x + 2$$



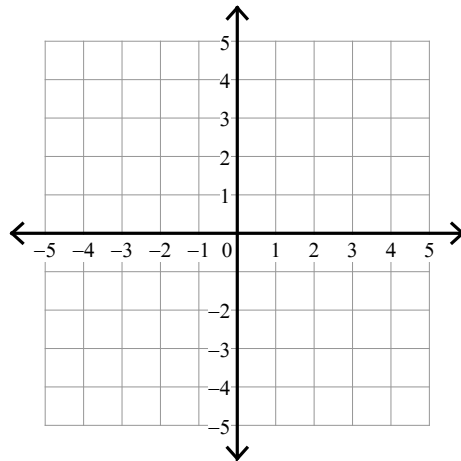
$$6) y < \frac{1}{2}x + 2$$

$$y \leq -2x - 3$$



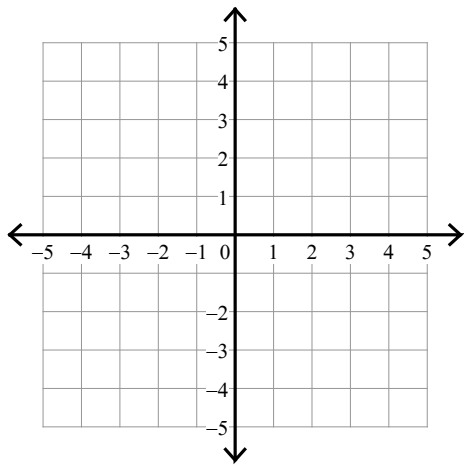
$$7) y > x + 1$$

$$y \leq -x + 3$$



$$8) y > -\frac{1}{2}x + 1$$

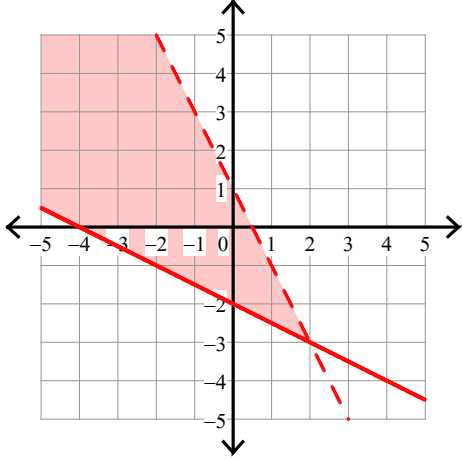
$$y \leq -2x - 2$$



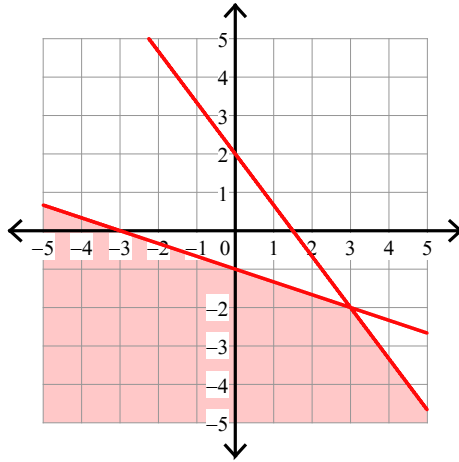
## Assignment

Sketch the solution to each system of inequalities.

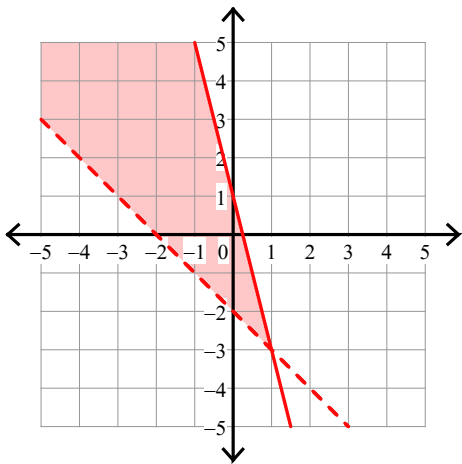
1)  $y < -2x + 1$   
 $y \geq -\frac{1}{2}x - 2$



2)  $y \leq -\frac{1}{3}x - 1$   
 $y \leq -\frac{4}{3}x + 2$

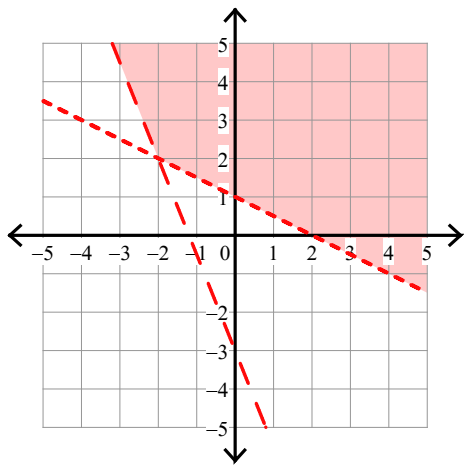


3)  $y > -x - 2$   
 $y \leq -4x + 1$



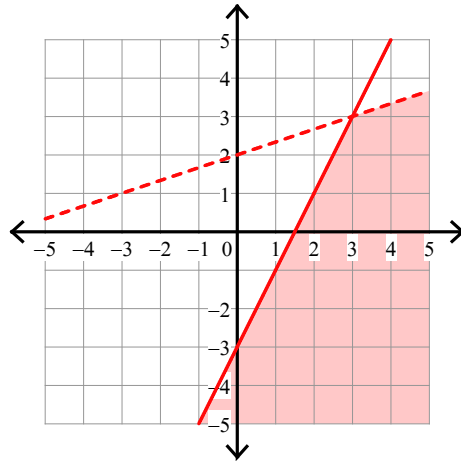
$$4) y > -\frac{1}{2}x + 1$$

$$y > -\frac{5}{2}x - 3$$



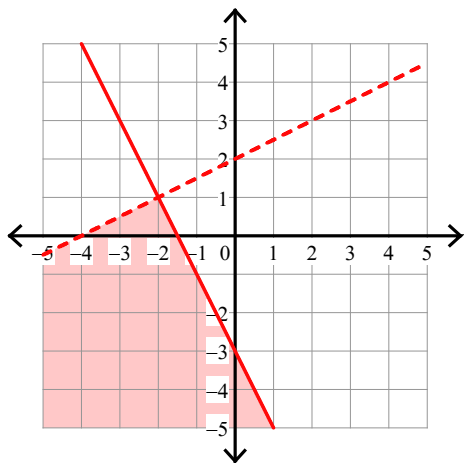
$$5) y \leq 2x - 3$$

$$y < \frac{1}{3}x + 2$$



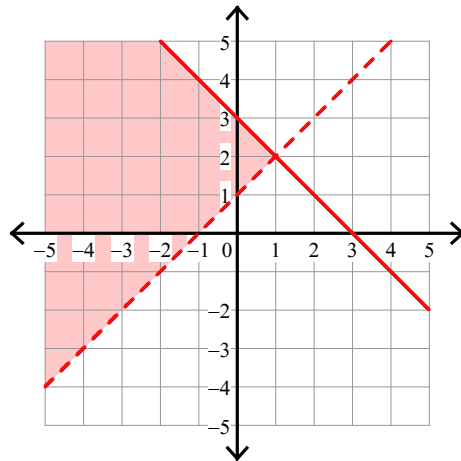
$$6) y < \frac{1}{2}x + 2$$

$$y \leq -2x - 3$$



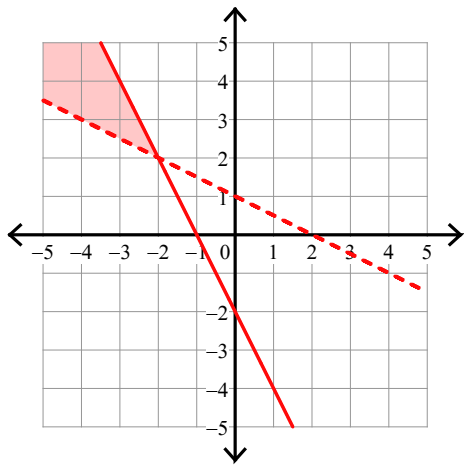
$$7) y > x + 1$$

$$y \leq -x + 3$$



$$8) y > -\frac{1}{2}x + 1$$

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

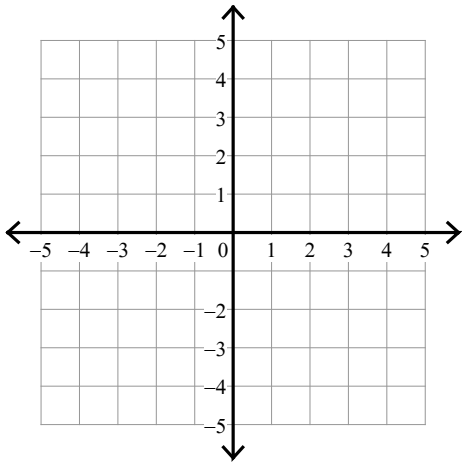




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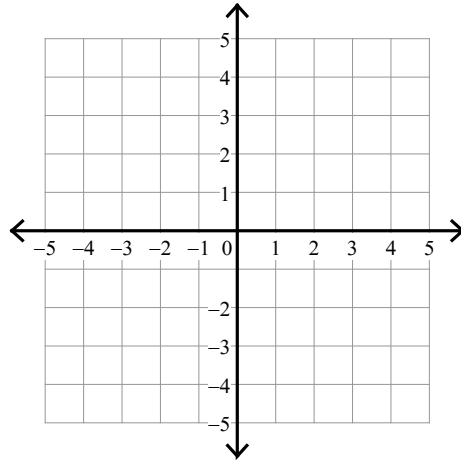
Sketch the solution to each system of inequalities.

1)  $y \geq 2x + 3$   
 $y < -2x - 1$



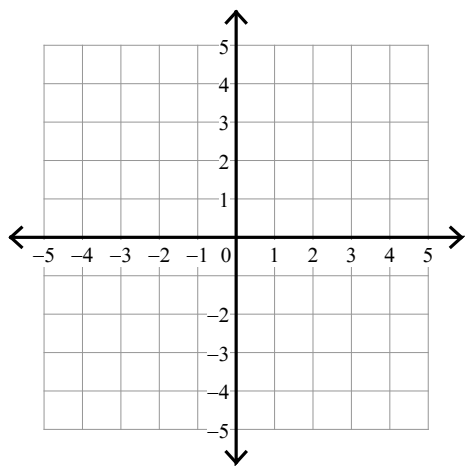
2)  $y \leq \frac{1}{2}x + 3$

$y \leq -\frac{3}{2}x - 1$



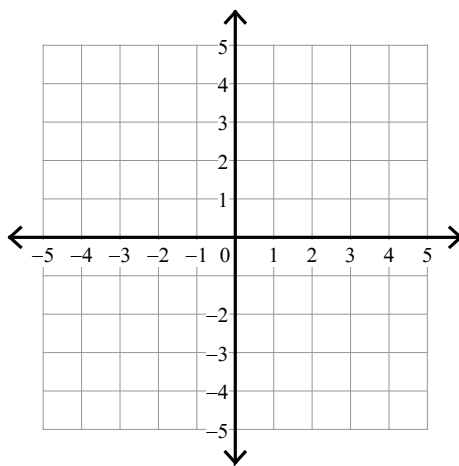
$$3) y \leq \frac{1}{3}x + 2$$

$$y < -\frac{4}{3}x - 3$$



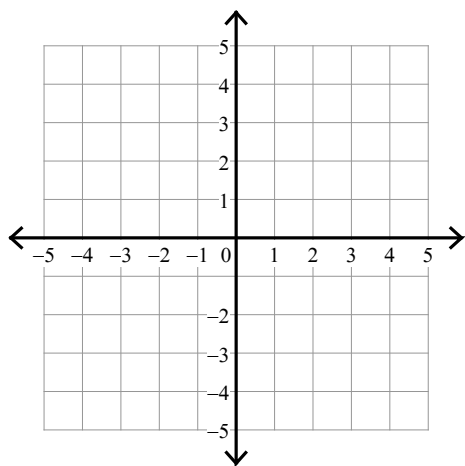
$$4) y > \frac{1}{2}x + 3$$

$$y \geq -\frac{5}{2}x - 3$$



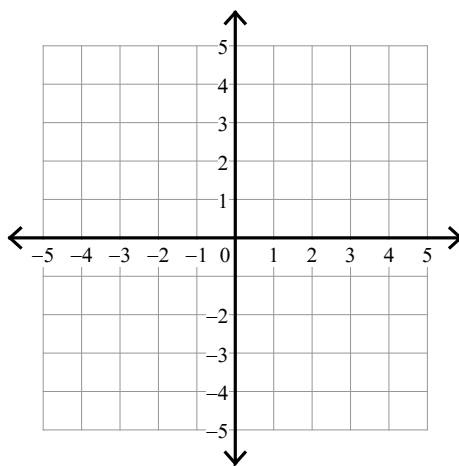
$$5) y \leq x - 2$$

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

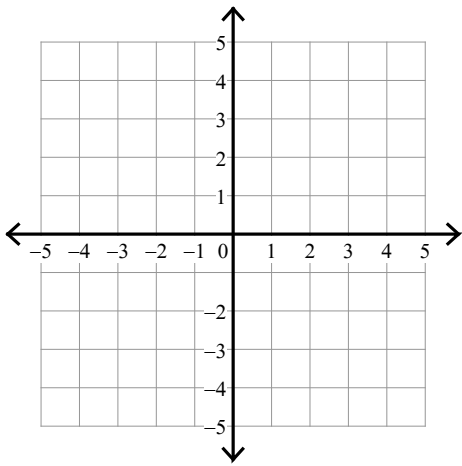


$$6) y \leq 5x - 3$$

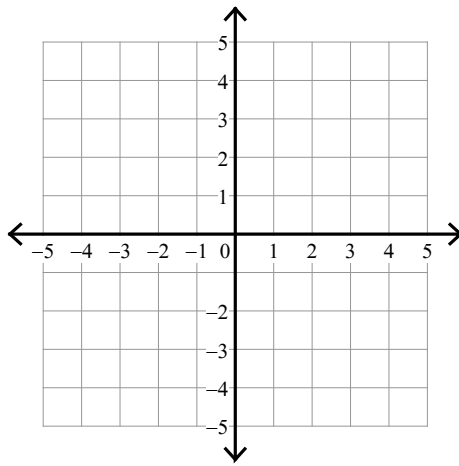
$$y \leq -x + 3$$



7)  $y > -x - 3$   
 $y \geq 5x + 3$



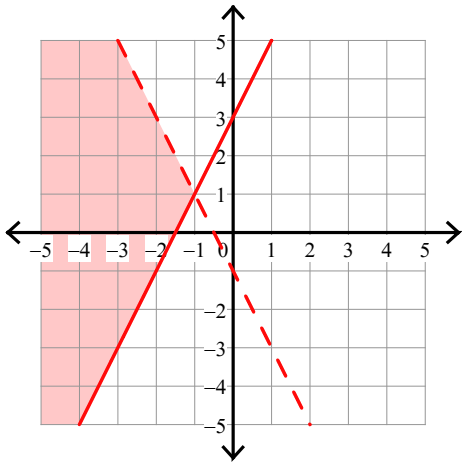
8)  $y > -3x - 2$   
 $y \geq 2x + 3$



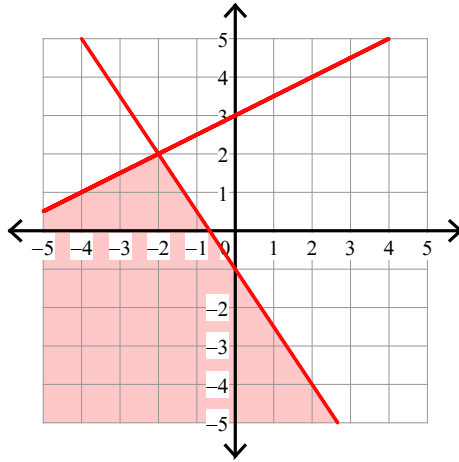
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1)  $y \geq 2x + 3$   
 $y < -2x - 1$

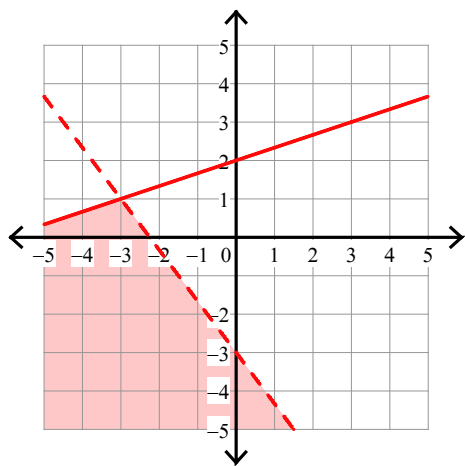


2)  $y \leq \frac{1}{2}x + 3$   
 $y \leq -\frac{3}{2}x - 1$



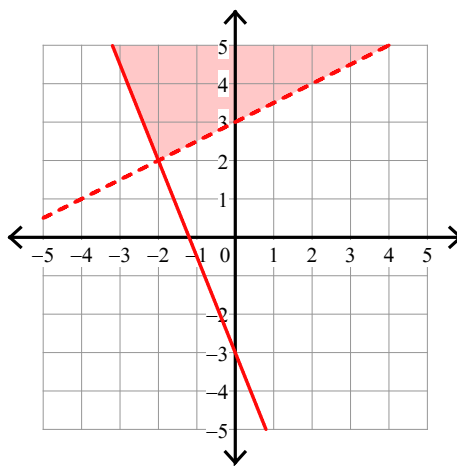
$$3) y \leq \frac{1}{3}x + 2$$

$$y < -\frac{4}{3}x - 3$$



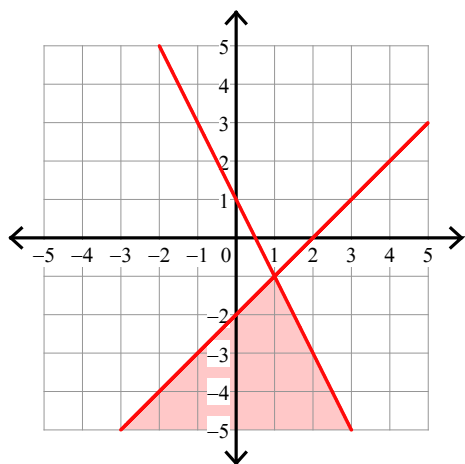
$$4) y > \frac{1}{2}x + 3$$

$$y \geq -\frac{5}{2}x - 3$$



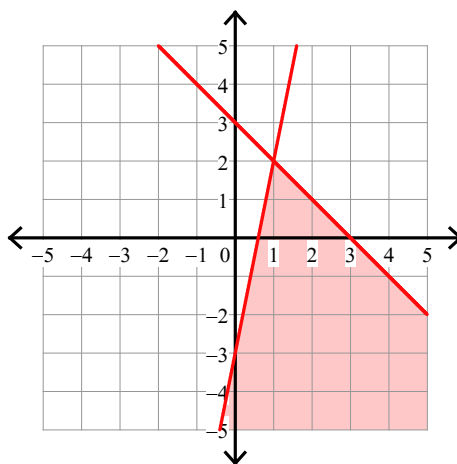
$$5) y \leq x - 2$$

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

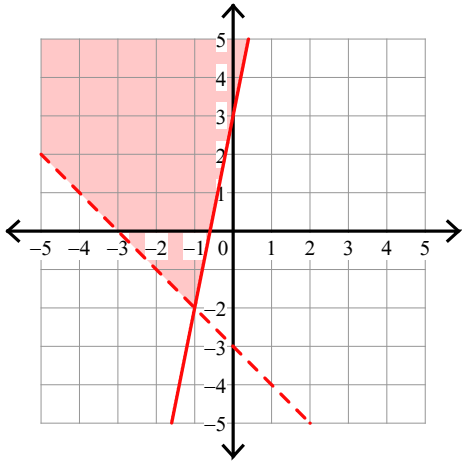


$$6) y \leq 5x - 3$$

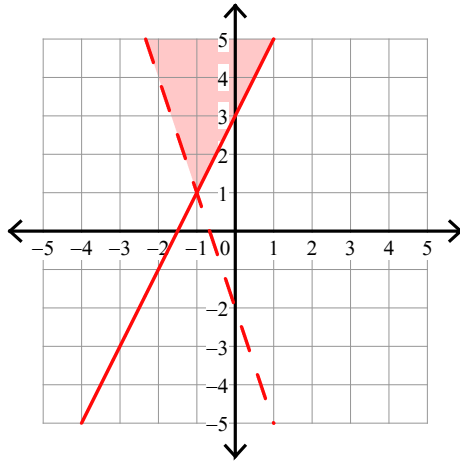
$$y \leq -x + 3$$



7)  $y > -x - 3$   
 $y \geq 5x + 3$



8)  $y > -3x - 2$   
 $y \geq 2x + 3$



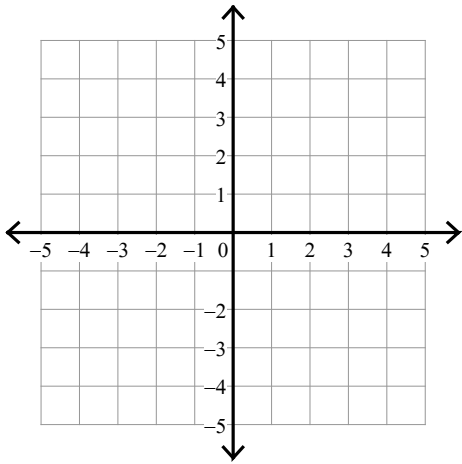
## Assignment

Name \_\_\_\_\_

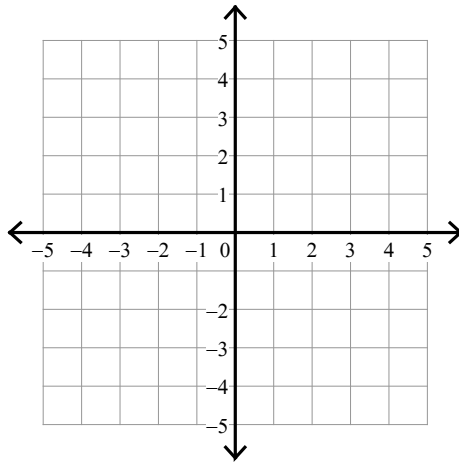
Date \_\_\_\_\_ Period \_\_\_\_\_

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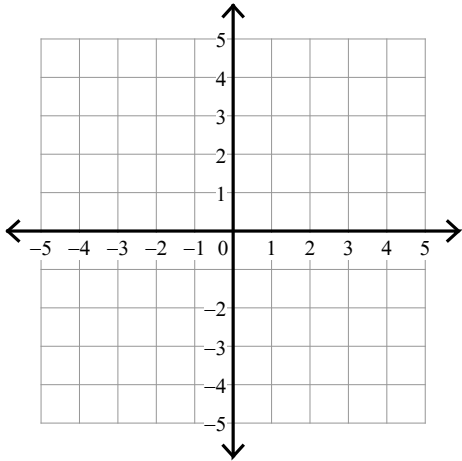
$$1) \begin{aligned} y &< 3x - 2 \\ y &\leq -x + 2 \end{aligned}$$



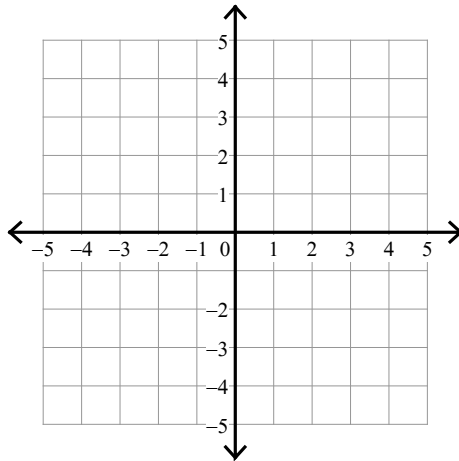
$$2) \begin{aligned} y &\geq x - 2 \\ y &> 6x + 3 \end{aligned}$$



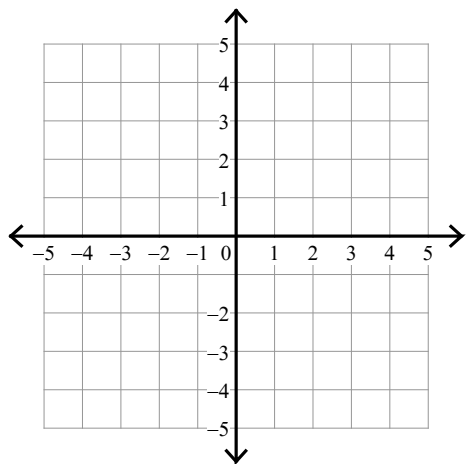
$$3) \begin{aligned} y &\geq -3x - 3 \\ y &\leq -3x + 2 \end{aligned}$$



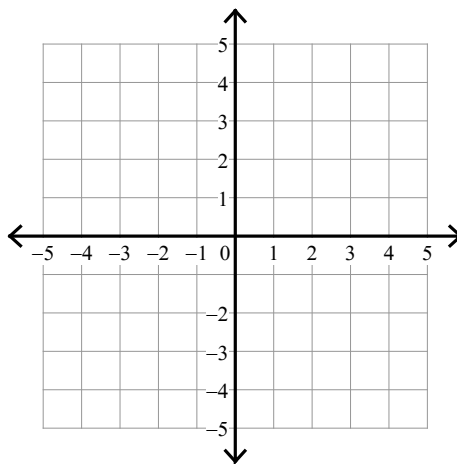
$$4) \begin{aligned} y &< -\frac{1}{3}x - 2 \\ y &< -\frac{1}{3}x + 3 \end{aligned}$$



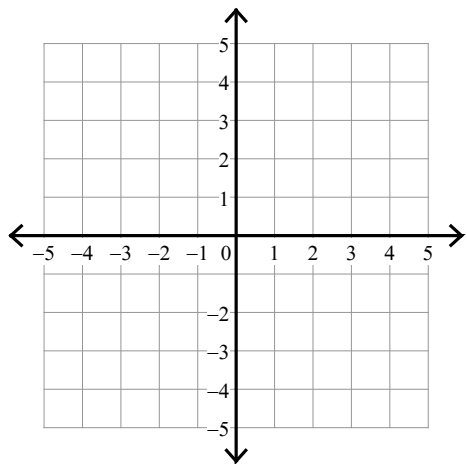
5)  $y \geq x + 2$   
 $x \leq 1$



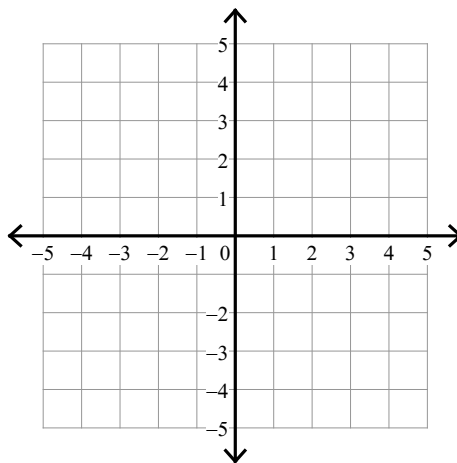
6)  $y < x + 2$   
 $x < -3$



7)  $y \leq 2x + 3$   
 $y > -x - 3$



8)  $y > \frac{4}{3}x - 1$   
 $y \leq \frac{1}{3}x + 2$

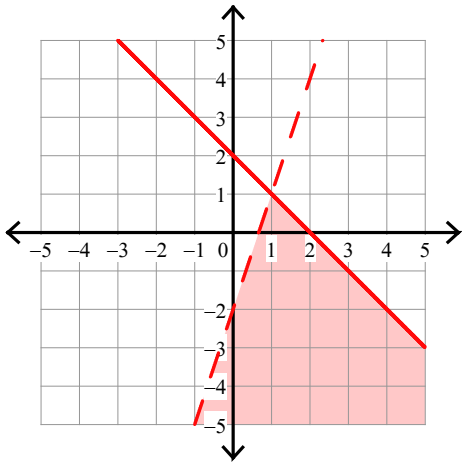




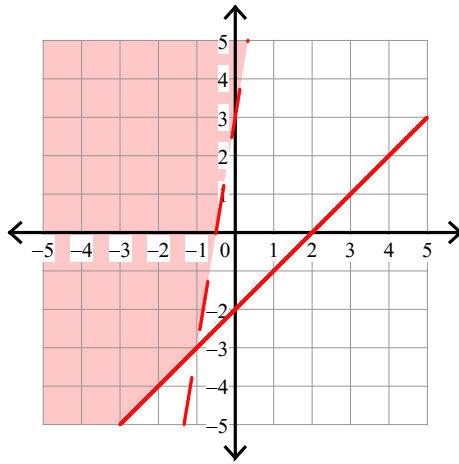
Assignment

Sketch the solution to each system of inequalities.

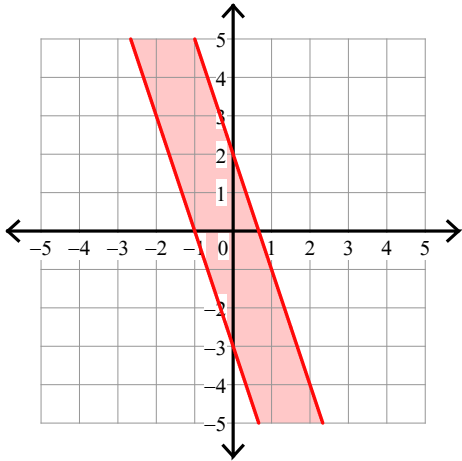
1)  $y < 3x - 2$   
 $y \leq -x + 2$



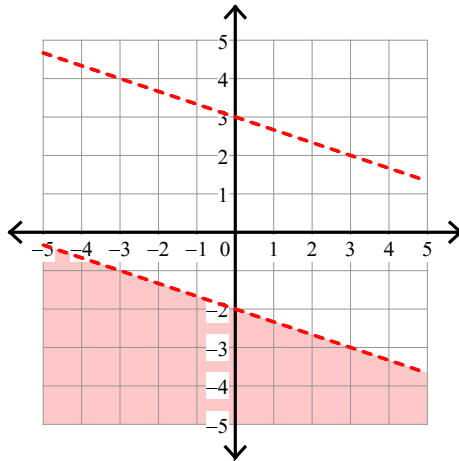
2)  $y \geq x - 2$   
 $y > 6x + 3$



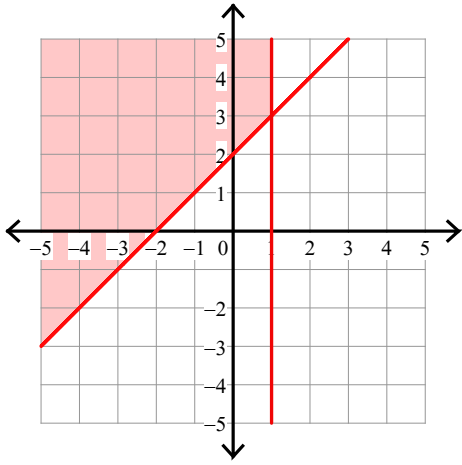
3)  $y \geq -3x - 3$   
 $y \leq -3x + 2$



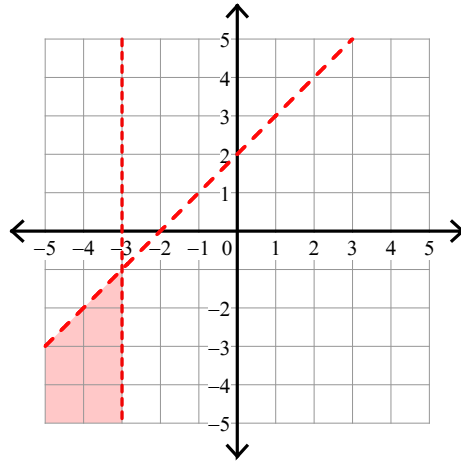
4)  $y < -\frac{1}{3}x - 2$   
 $y < -\frac{1}{3}x + 3$



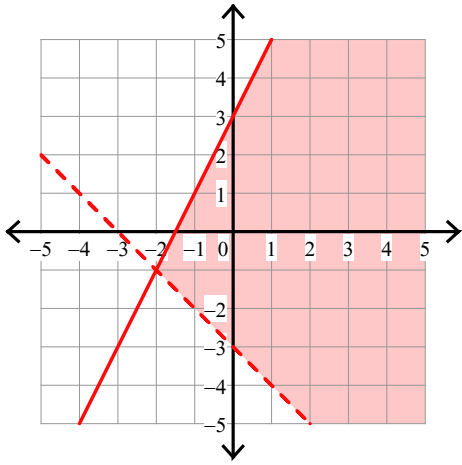
5)  $y \geq x + 2$   
 $x \leq 1$



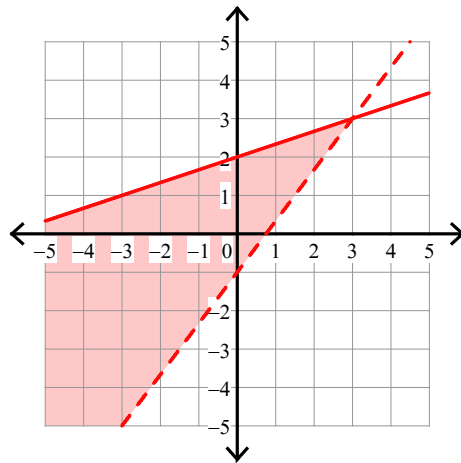
6)  $y < x + 2$   
 $x < -3$



7)  $y \leq 2x + 3$   
 $y > -x - 3$



8)  $y > \frac{4}{3}x - 1$   
 $y \leq \frac{1}{3}x + 2$

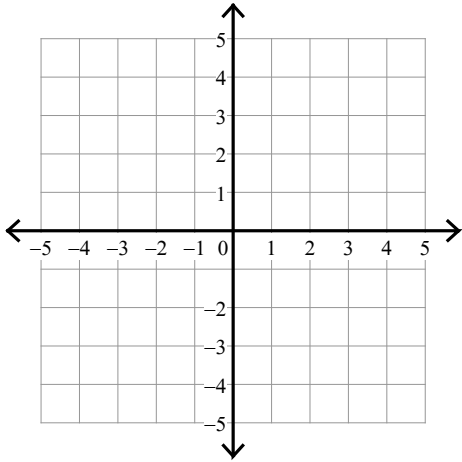


## Assignment

Sketch the solution to each system of inequalities.

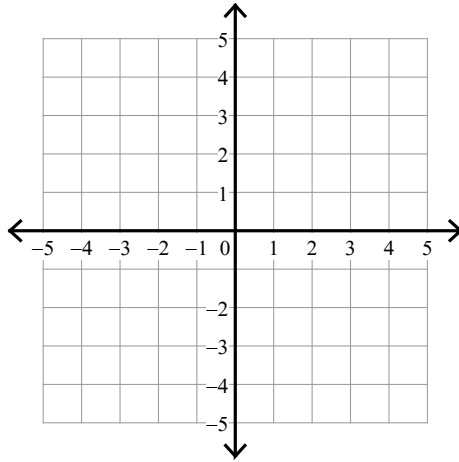
1)  $y \leq -\frac{1}{3}x + 1$

$y > \frac{1}{3}x + 3$



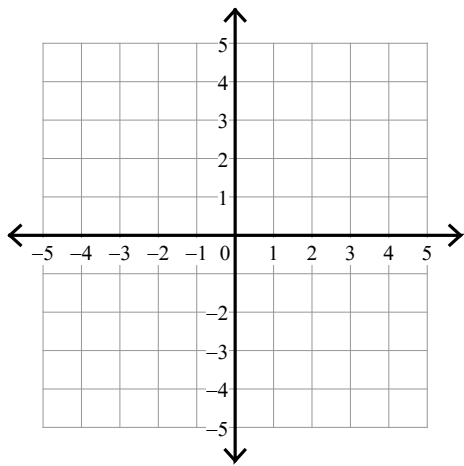
2)  $y < -\frac{1}{2}x + 2$

$y < -\frac{5}{2}x - 2$



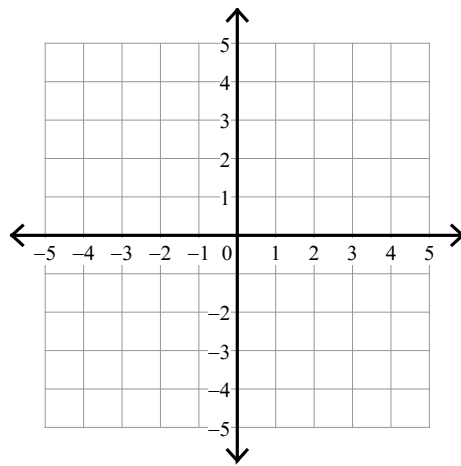
$$3) y > \frac{2}{3}x + 1$$

$$y > -\frac{1}{3}x - 2$$



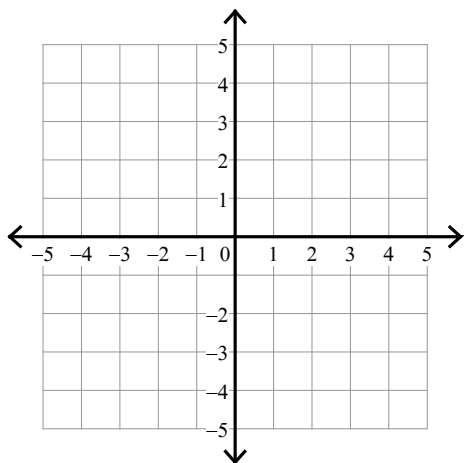
$$4) y < -\frac{1}{3}x - 3$$

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



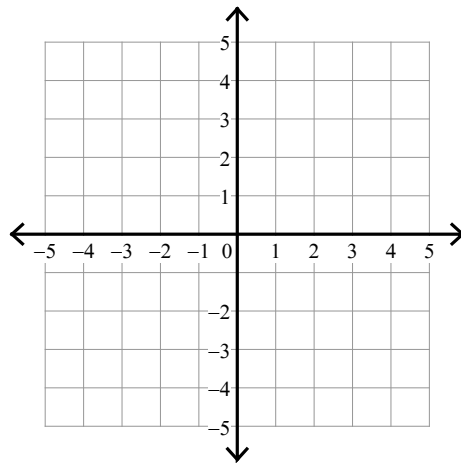
$$5) y \geq -\frac{5}{2}x - 2$$

$$y > -\frac{1}{2}x + 2$$

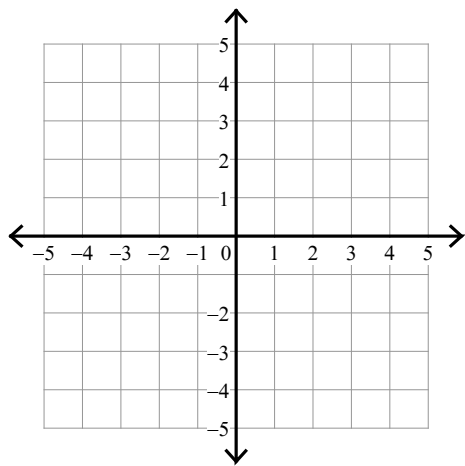


$$6) y \leq -\frac{5}{2}x + 2$$

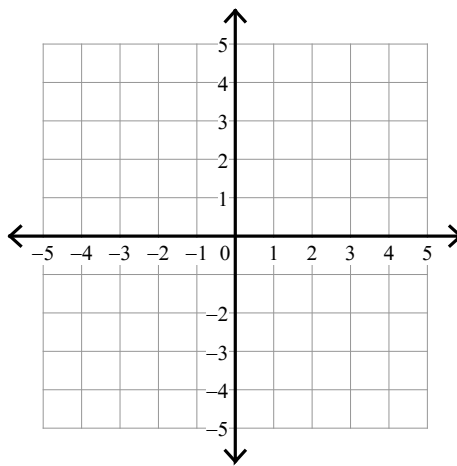
$$y \leq -3$$



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



8)  $y < -x + 2$   
 $y \geq -6x - 3$

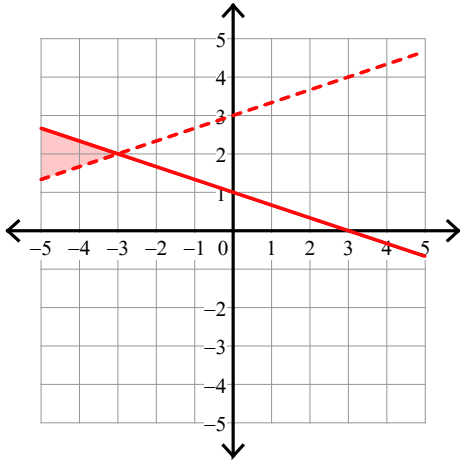


## Assignment

Sketch the solution to each system of inequalities.

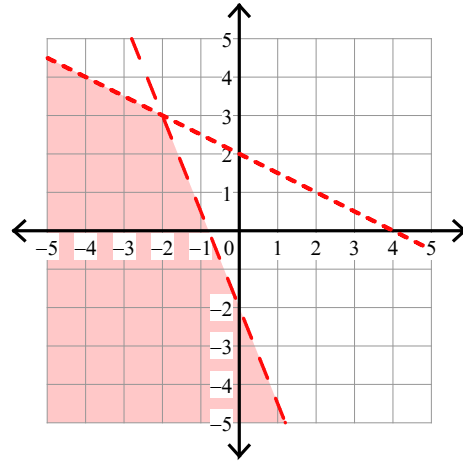
$$1) \ y \leq -\frac{1}{3}x + 1$$

$$y > \frac{1}{3}x + 3$$



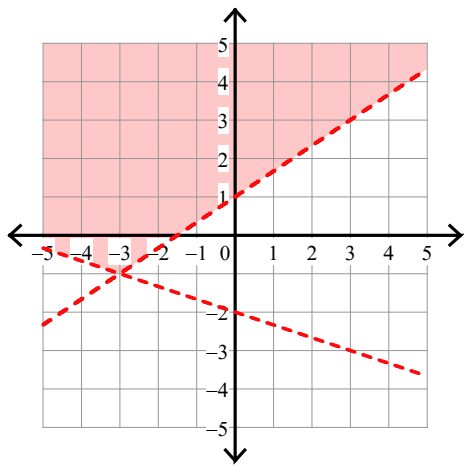
$$2) \ y < -\frac{1}{2}x + 2$$

$$y < -\frac{5}{2}x - 2$$



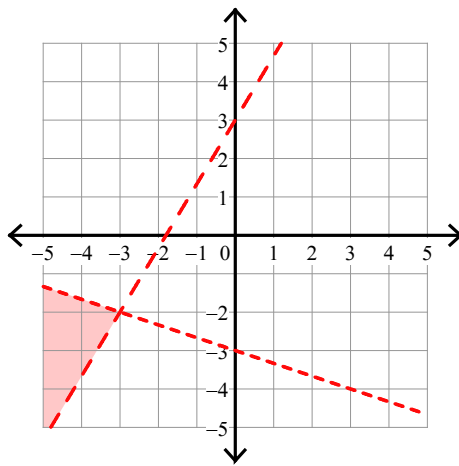
$$3) y > \frac{2}{3}x + 1$$

$$y > -\frac{1}{3}x - 2$$



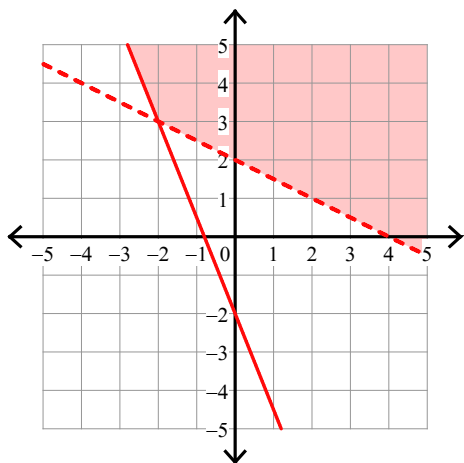
$$4) y < -\frac{1}{3}x - 3$$

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



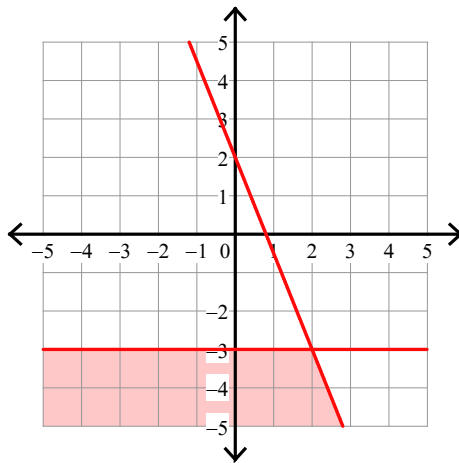
$$5) y \geq -\frac{5}{2}x - 2$$

$$y > -\frac{1}{2}x + 2$$

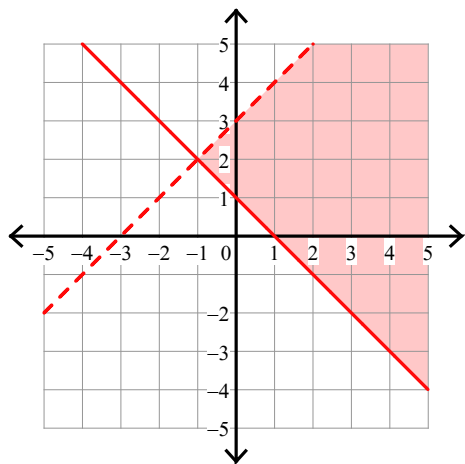


$$6) y \leq -\frac{5}{2}x + 2$$

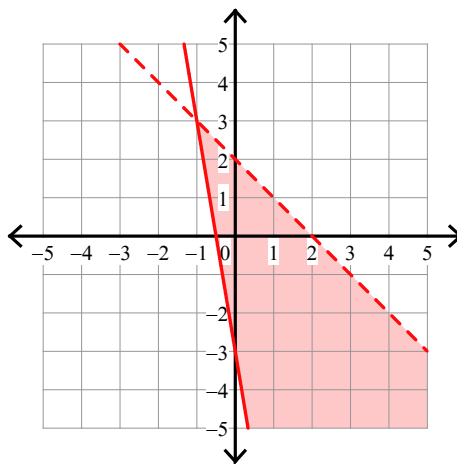
$$y \leq -3$$



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



8)  $y < -x + 2$   
 $y \geq -6x - 3$





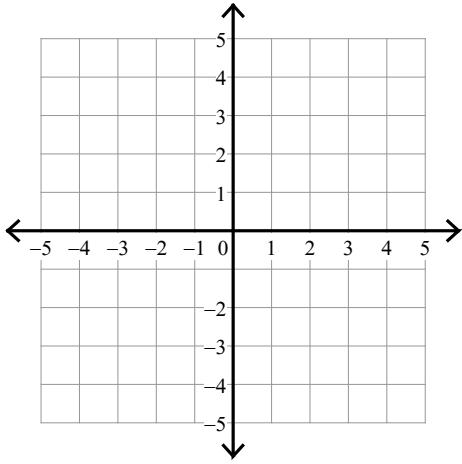
## Assignment

Date \_\_\_\_\_ Period \_\_\_\_\_

Sketch the solution to each system of inequalities.

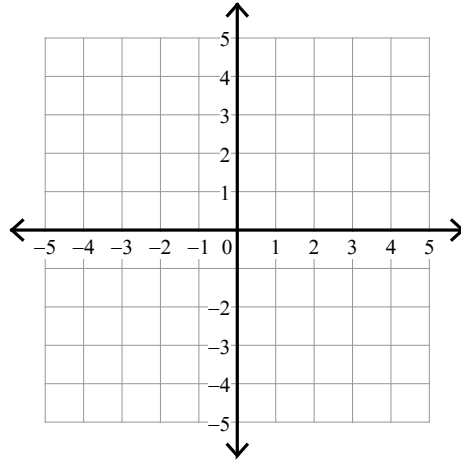
1)  $y < -\frac{1}{3}x + 2$

$y \leq \frac{4}{3}x - 3$

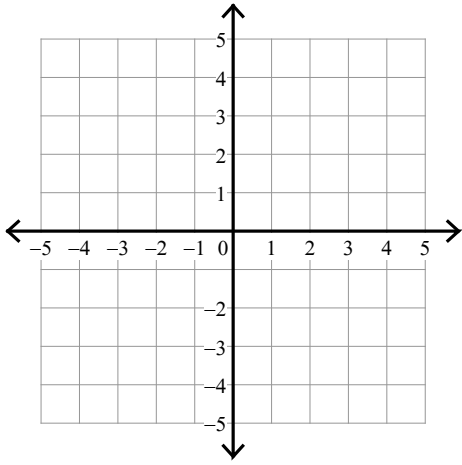


2)  $y > -\frac{1}{2}x + 2$

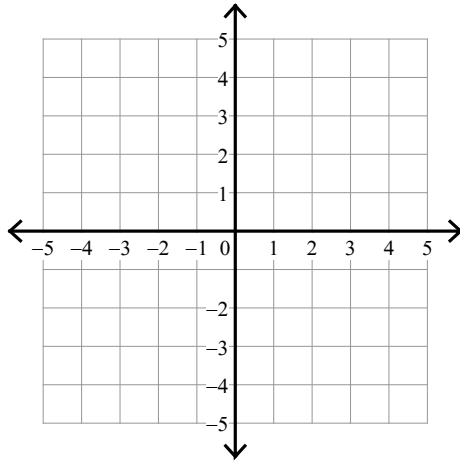
$y > x - 1$



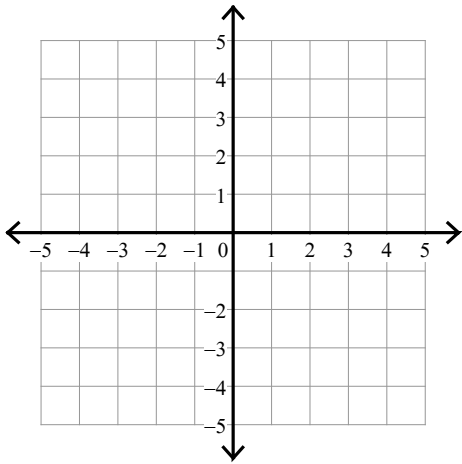
3)  $y \leq 3$   
 $y \leq x + 2$



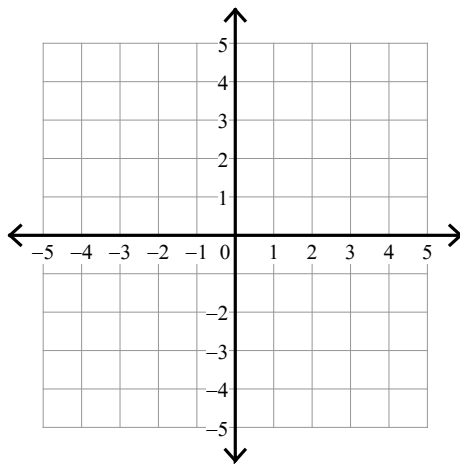
4)  $y \leq -2x - 3$   
 $y \geq 3x + 2$



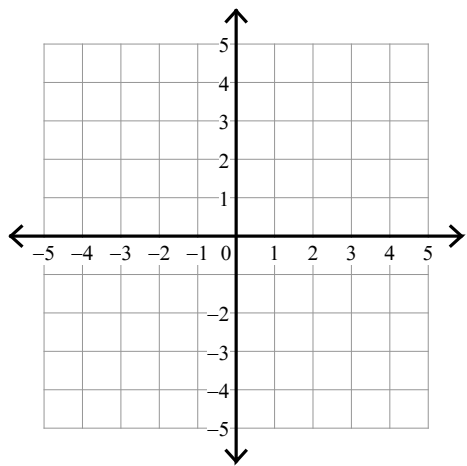
5)  $y > -x - 3$   
 $y < 3x + 1$



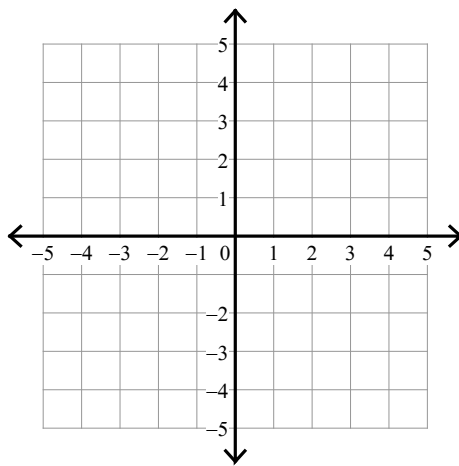
6)  $y \leq -x - 2$   
 $y \leq \frac{1}{3}x + 2$



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



8)  $y \geq -5x + 2$   
 $y < -3$



## Assignment

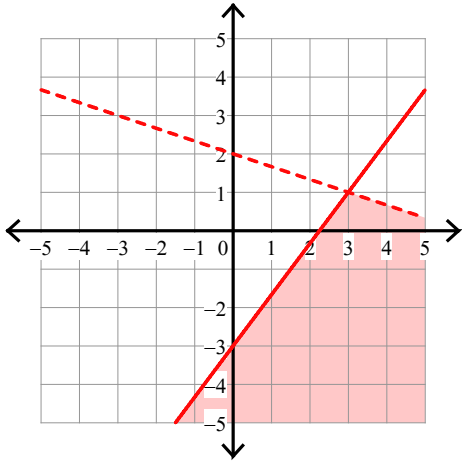
Name \_\_\_\_\_

Date \_\_\_\_\_ Period \_\_\_\_\_

Sketch the solution to each system of inequalities.

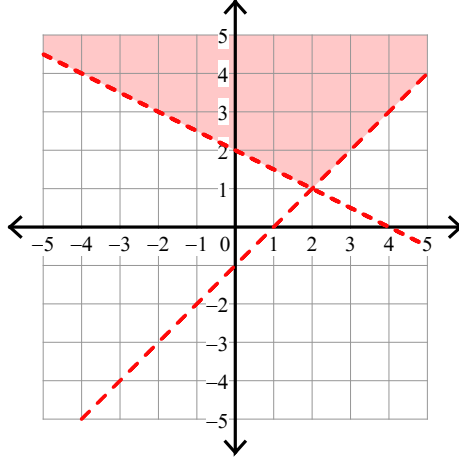
1)  $y < -\frac{1}{3}x + 2$

$y \leq \frac{4}{3}x - 3$

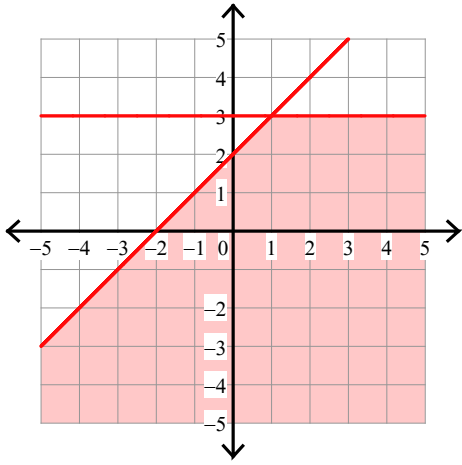


2)  $y > -\frac{1}{2}x + 2$

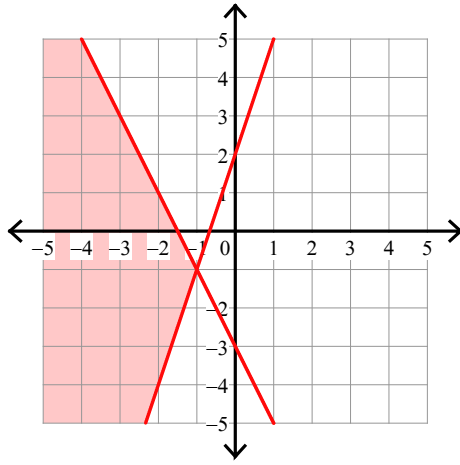
$y > x - 1$



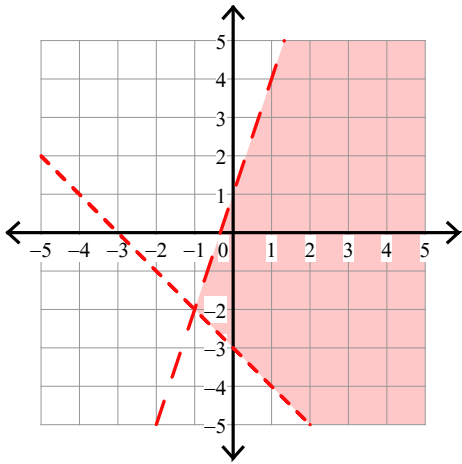
3)  $y \leq 3$   
 $y \leq x + 2$



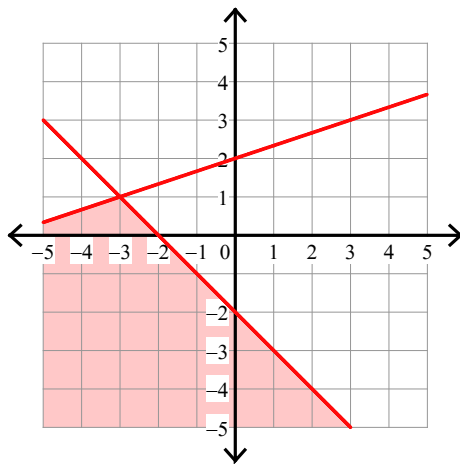
4)  $y \leq -2x - 3$   
 $y \geq 3x + 2$



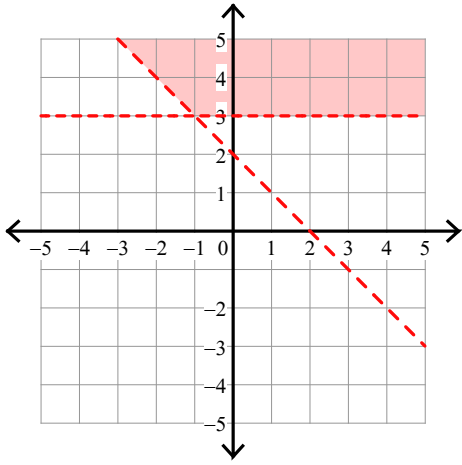
5)  $y > -x - 3$   
 $y < 3x + 1$



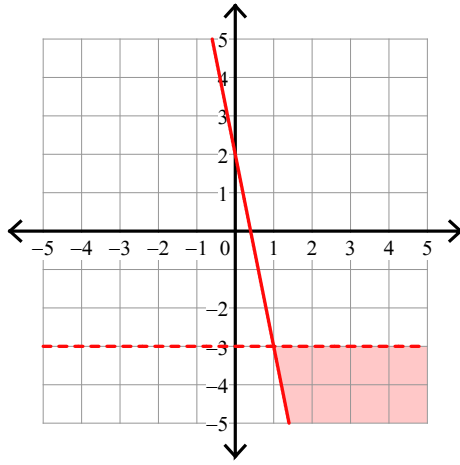
6)  $y \leq -x - 2$   
 $y \leq \frac{1}{3}x + 2$



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



8)  $y \geq -5x + 2$   
 $y < -3$

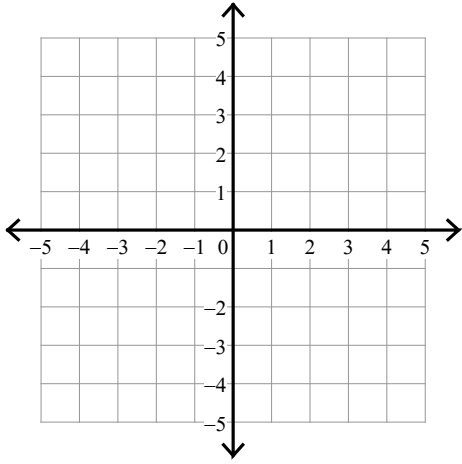


## Assignment

Sketch the solution to each system of inequalities.

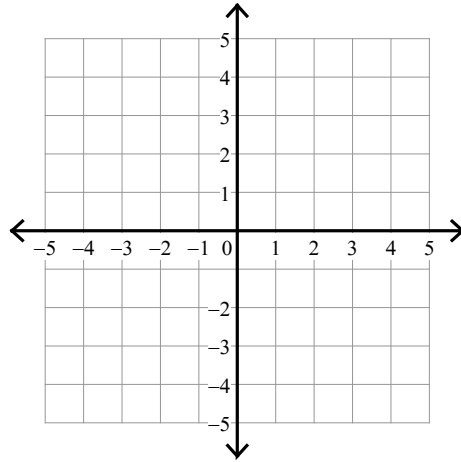
1)  $y > -\frac{1}{2}x - 2$

$x \geq -2$



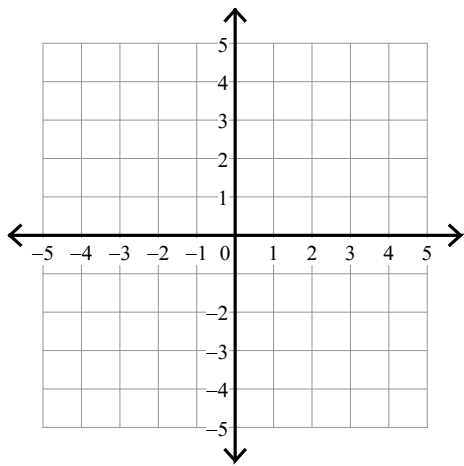
2)  $y > -\frac{1}{3}x + 2$

$y \leq -\frac{4}{3}x - 1$



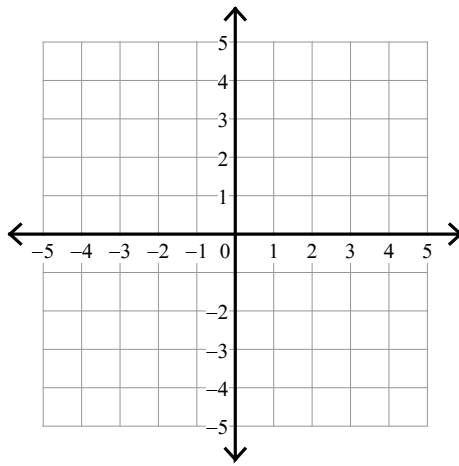
$$3) y > -\frac{1}{2}x + 2$$

$$y < -\frac{5}{2}x - 2$$



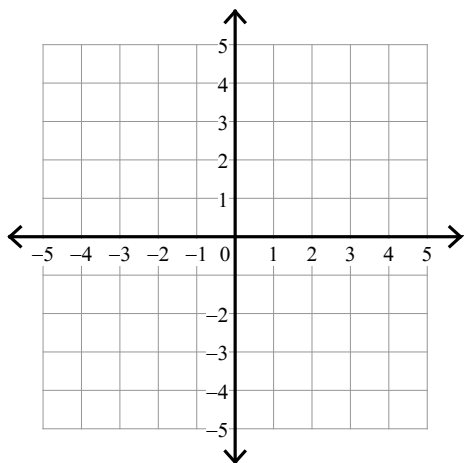
$$4) y \leq -6x - 3$$

$$y \leq -6x + 2$$



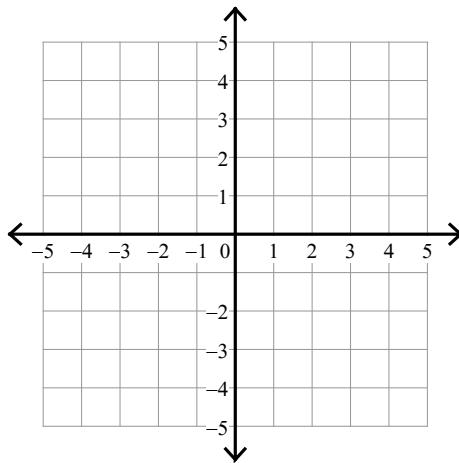
$$5) y < \frac{1}{2}x + 1$$

$$y \leq \frac{3}{2}x - 1$$



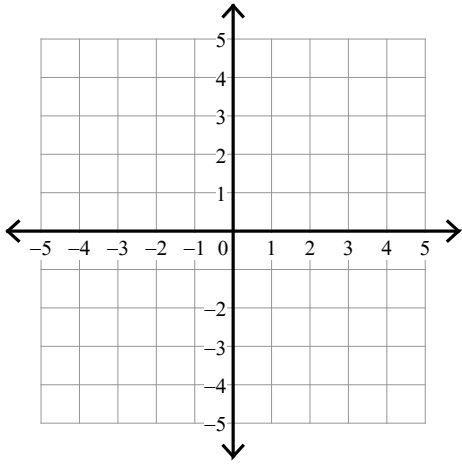
$$6) y \leq x - 3$$

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

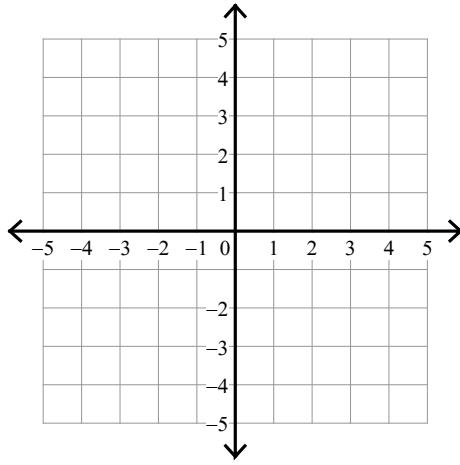




7)  $y \leq 3$   
 $y > x + 2$



8)  $y < 2x + 3$   
 $y < -4x - 3$

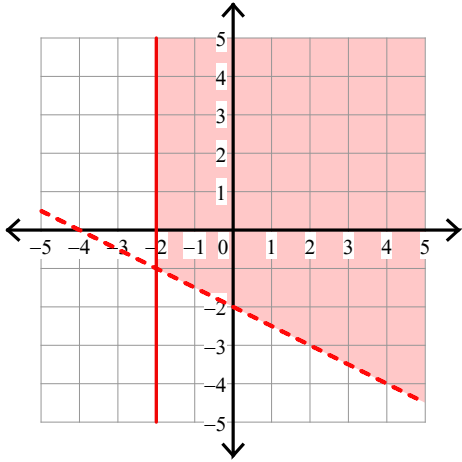


## Assignment

Sketch the solution to each system of inequalities.

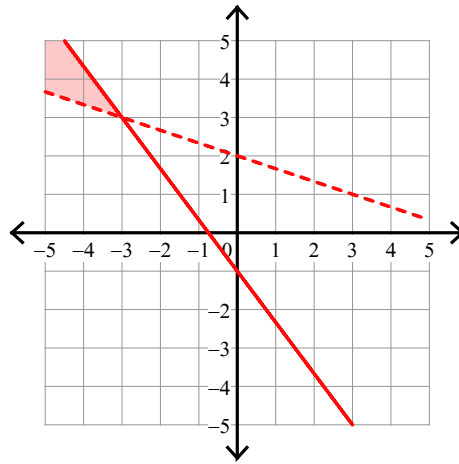
1)  $y > -\frac{1}{2}x - 2$

$x \geq -2$



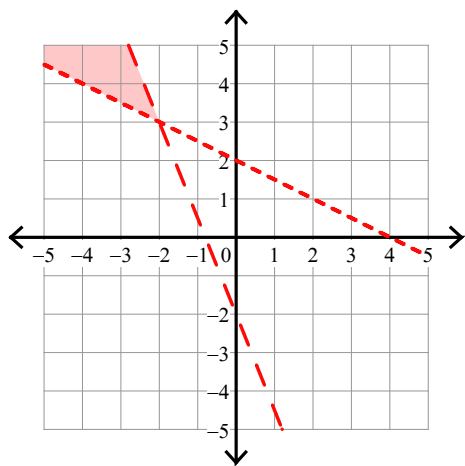
2)  $y > -\frac{1}{3}x + 2$

$y \leq -\frac{4}{3}x - 1$



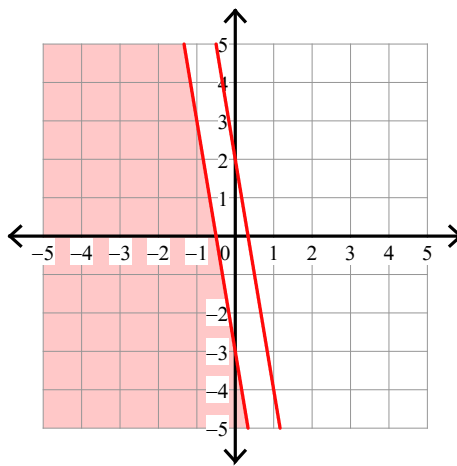
$$3) y > -\frac{1}{2}x + 2$$

$$y < -\frac{5}{2}x - 2$$



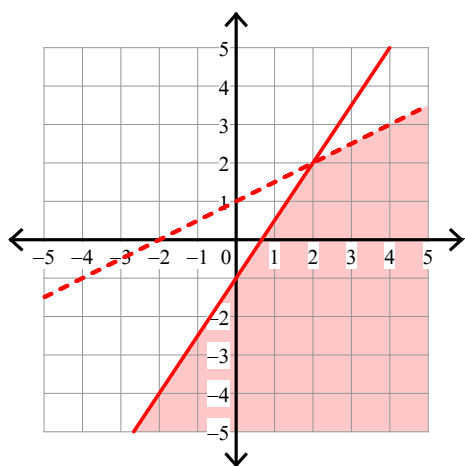
$$4) y \leq -6x - 3$$

$$y \leq -6x + 2$$



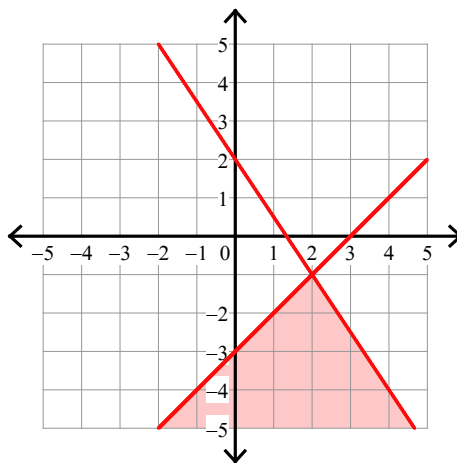
$$5) y < \frac{1}{2}x + 1$$

$$y \leq \frac{3}{2}x - 1$$

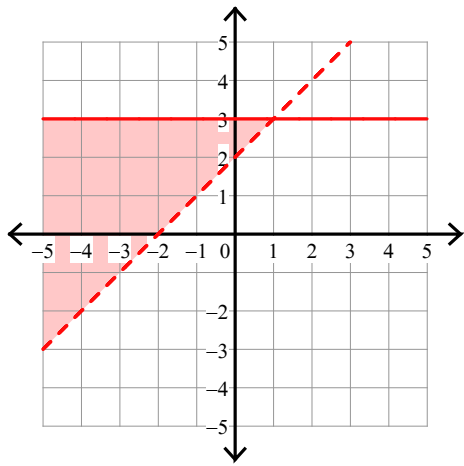


$$6) y \leq x - 3$$

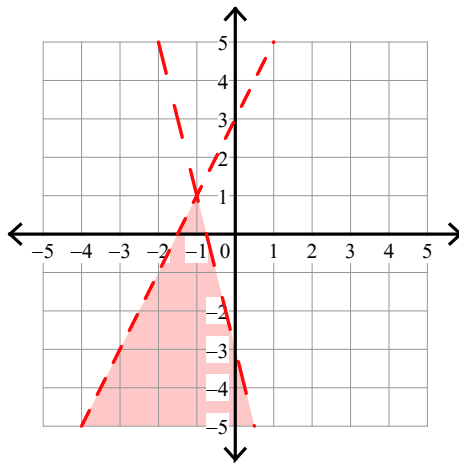
$$y \leq -\frac{3}{2}x + 2$$



7)  $y \leq 3$   
 $y > x + 2$



8)  $y < 2x + 3$   
 $y < -4x - 3$



## Assignment

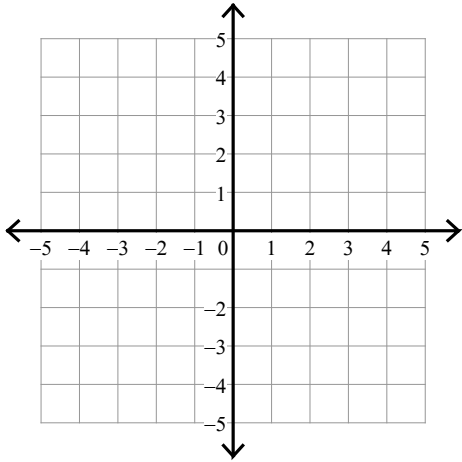
Name \_\_\_\_\_

Date \_\_\_\_\_ Period \_\_\_\_\_

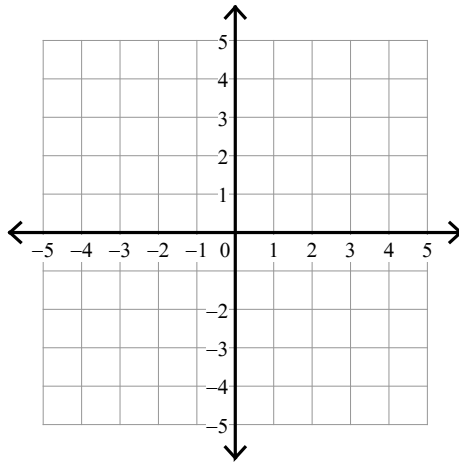
Sketch the solution to each system of inequalities.

1)  $y \geq \frac{5}{2}x + 3$

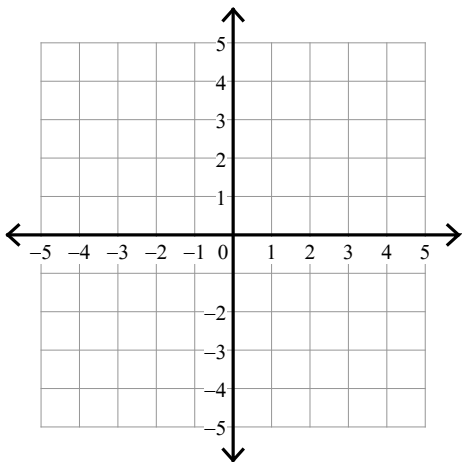
$y \geq \frac{1}{2}x - 1$



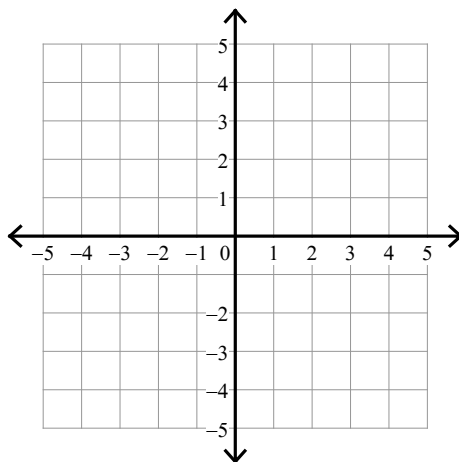
2)  $y > -x + 2$   
 $y < 3x - 2$



3)  $y > 5x - 3$   
 $y \geq x + 1$

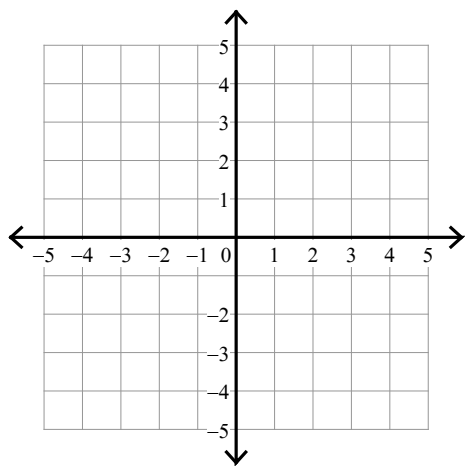


4)  $y > -\frac{5}{2}x - 3$   
 $y < -\frac{1}{2}x + 1$



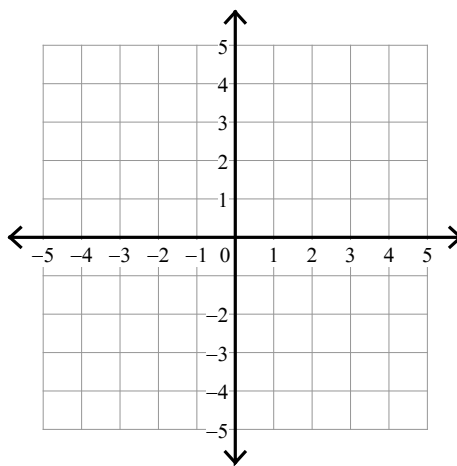
$$5) y \leq \frac{1}{2}x + 3$$

$$y \geq -\frac{3}{2}x - 1$$



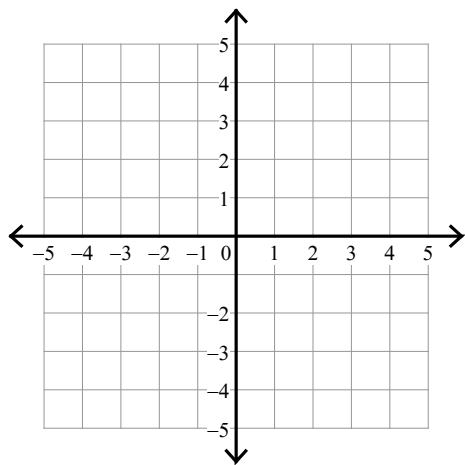
$$6) y \geq \frac{4}{3}x - 3$$

$$y \geq -\frac{2}{3}x + 3$$



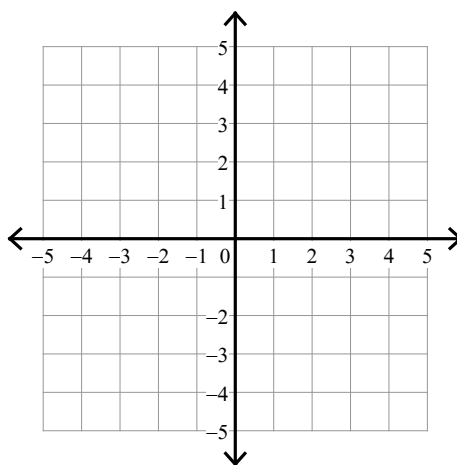
$$7) y > \frac{3}{2}x + 2$$

$$y < -x - 3$$



$$8) y < -\frac{1}{2}x + 1$$

$$y > -\frac{3}{2}x - 1$$



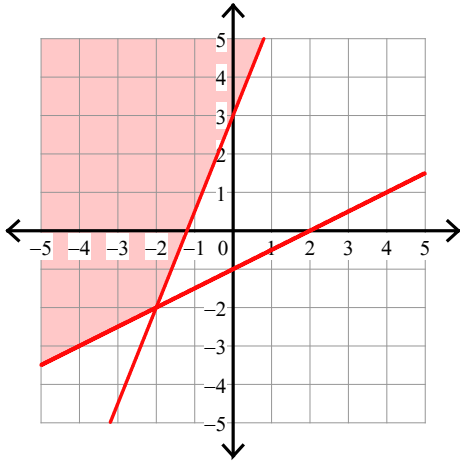
## Assignment

Date \_\_\_\_\_ Period \_\_\_\_\_

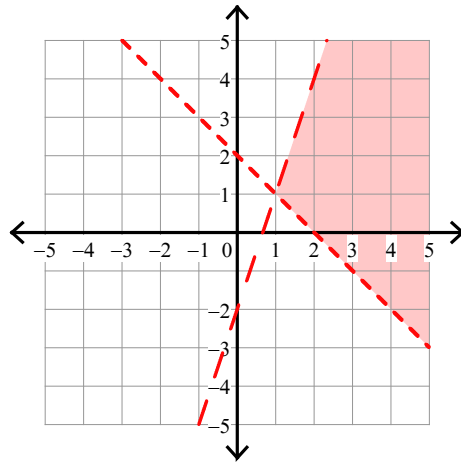
Sketch the solution to each system of inequalities.

1)  $y \geq \frac{5}{2}x + 3$

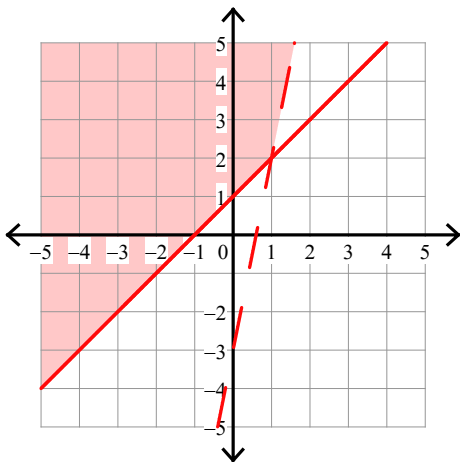
$y \geq \frac{1}{2}x - 1$



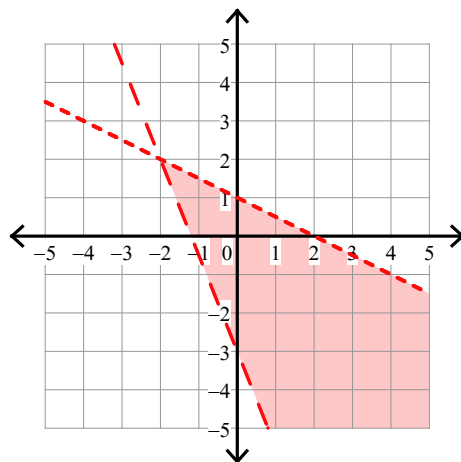
2)  $y > -x + 2$   
 $y < 3x - 2$



3)  $y > 5x - 3$   
 $y \geq x + 1$

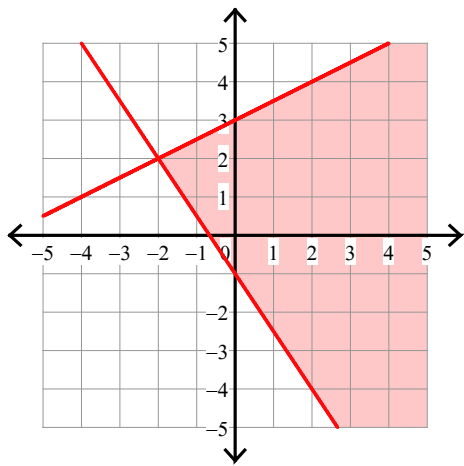


4)  $y > -\frac{5}{2}x - 3$   
 $y < -\frac{1}{2}x + 1$



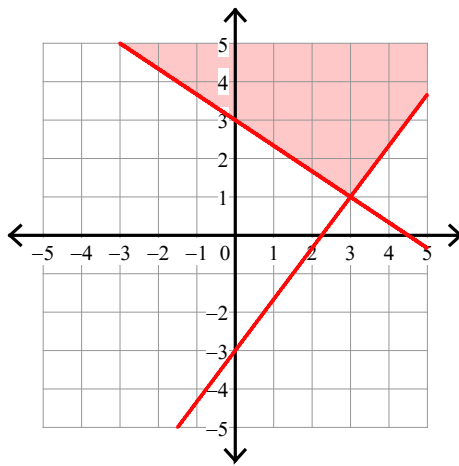
$$5) y \leq \frac{1}{2}x + 3$$

$$y \geq -\frac{3}{2}x - 1$$



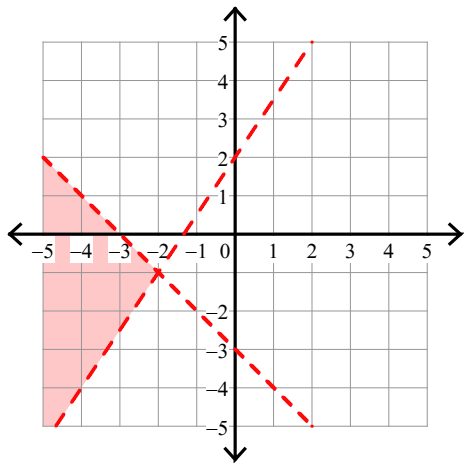
$$6) y \geq \frac{4}{3}x - 3$$

$$y \geq -\frac{2}{3}x + 3$$



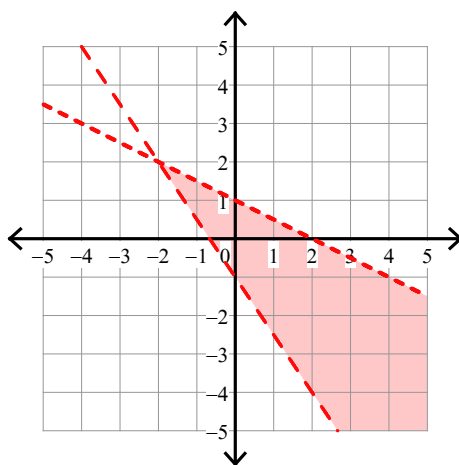
$$7) y > \frac{3}{2}x + 2$$

$$y < -x - 3$$



$$8) y < -\frac{1}{2}x + 1$$

$$y > -\frac{3}{2}x - 1$$

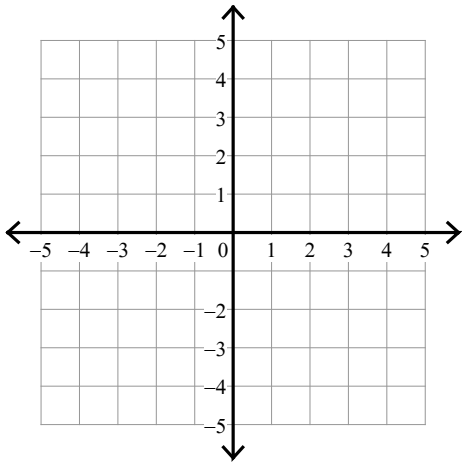




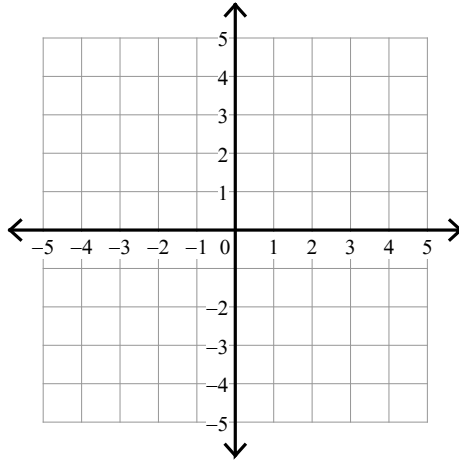
## Assignment

Sketch the solution to each system of inequalities.

1)  $y < -2x - 3$   
 $y \leq 1$

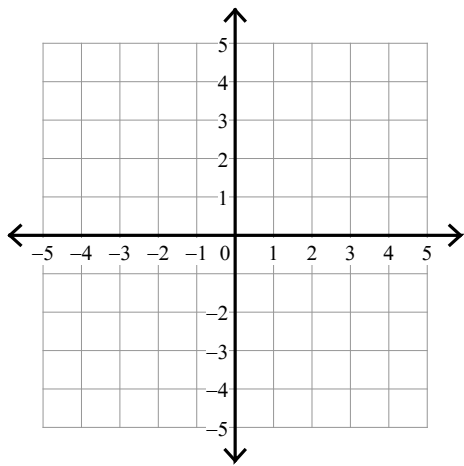


2)  $y > 2x - 1$   
 $y \geq \frac{1}{2}x + 2$



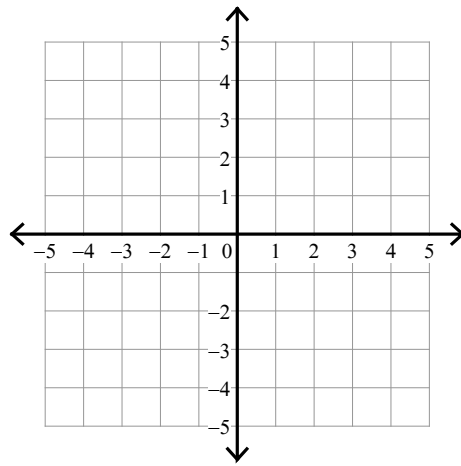
$$3) y > -\frac{3}{2}x - 2$$

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



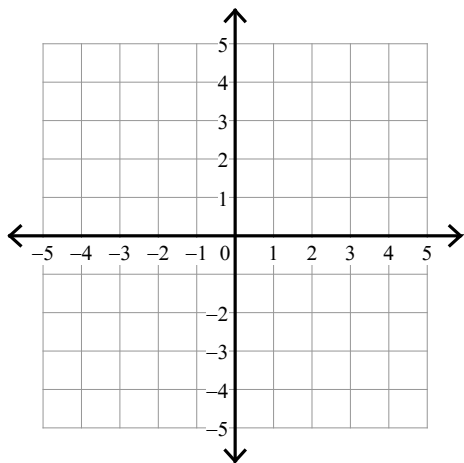
$$4) y < 2x + 3$$

$$y > -4x - 3$$



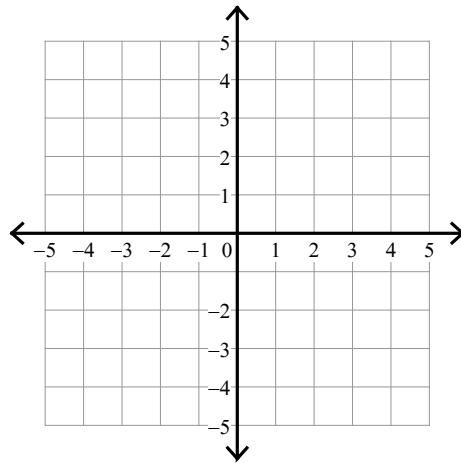
$$5) y \leq \frac{2}{3}x - 1$$

$$y > 2x + 3$$



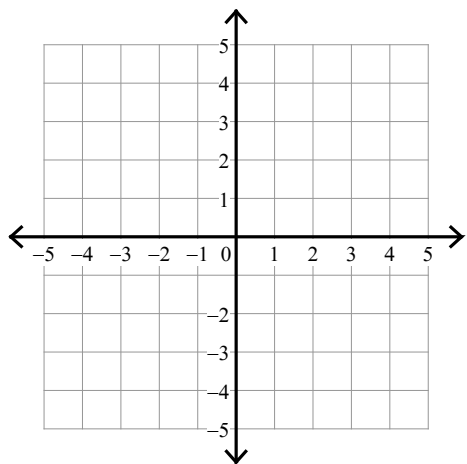
$$6) y \leq 5x - 3$$

$$y \leq 5x + 3$$



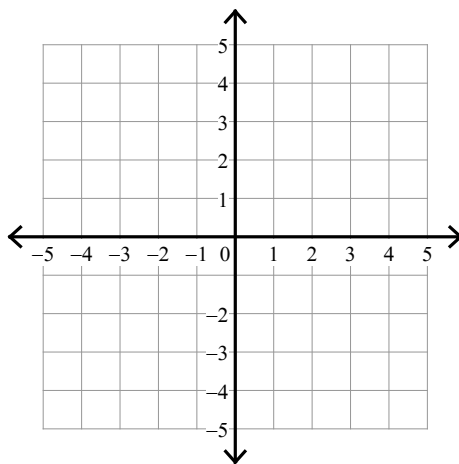
$$7) y \geq \frac{1}{3}x - 1$$

$$x < -3$$



$$8) y \leq 2x + 3$$

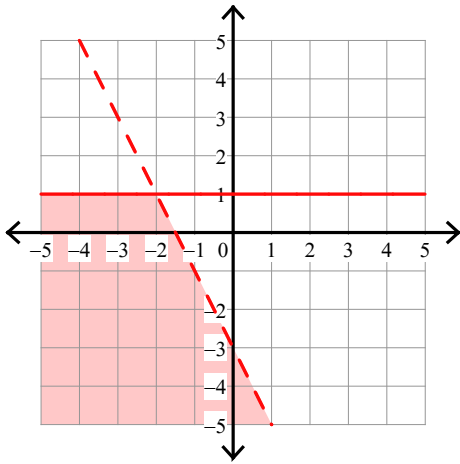
$$y < -\frac{1}{2}x - 2$$



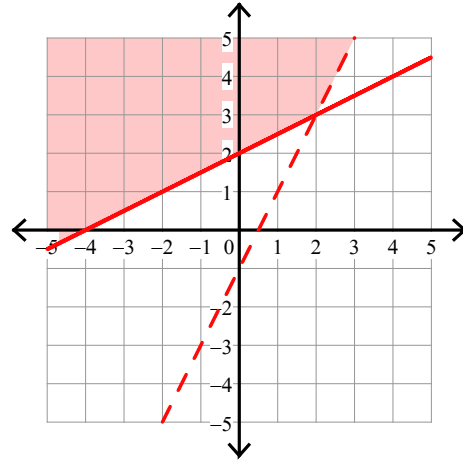
## Assignment

Sketch the solution to each system of inequalities.

1)  $y < -2x - 3$   
 $y \leq 1$

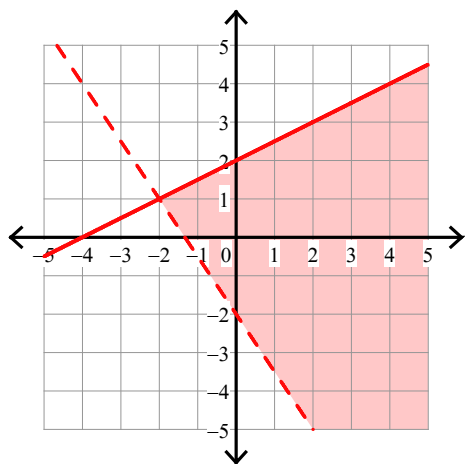


2)  $y > 2x - 1$   
 $y \geq \frac{1}{2}x + 2$



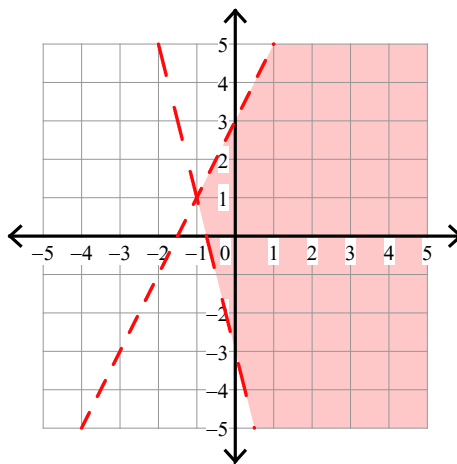
$$3) y > -\frac{3}{2}x - 2$$

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



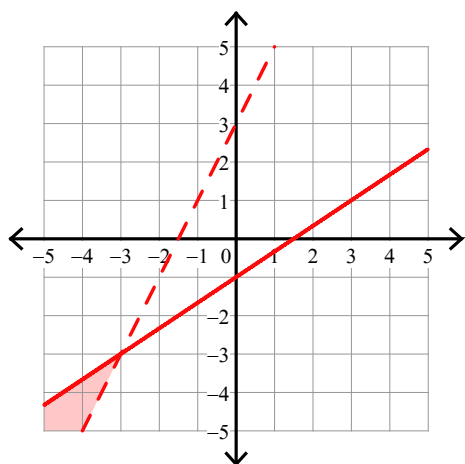
$$4) y < 2x + 3$$

$$y > -4x - 3$$



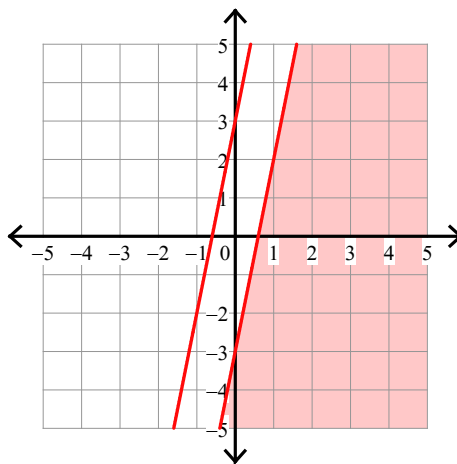
$$5) y \leq \frac{2}{3}x - 1$$

$$y > 2x + 3$$

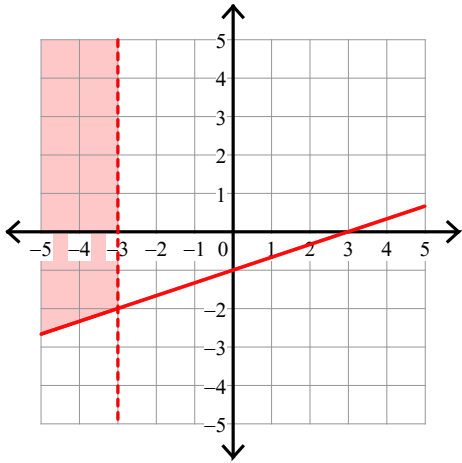


$$6) y \leq 5x - 3$$

$$y \leq 5x + 3$$



$$7) \ y \geq \frac{1}{3}x - 1$$
$$x < -3$$



$$8) \ y \leq 2x + 3$$
$$y < -\frac{1}{2}x - 2$$

