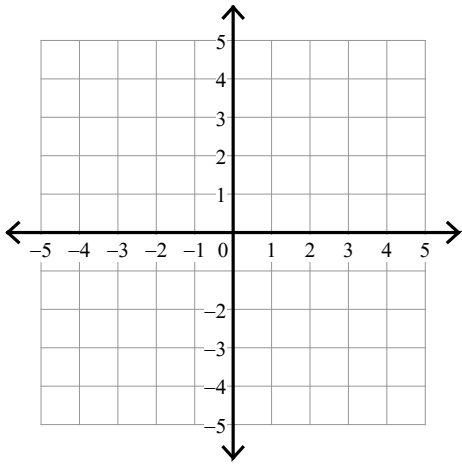


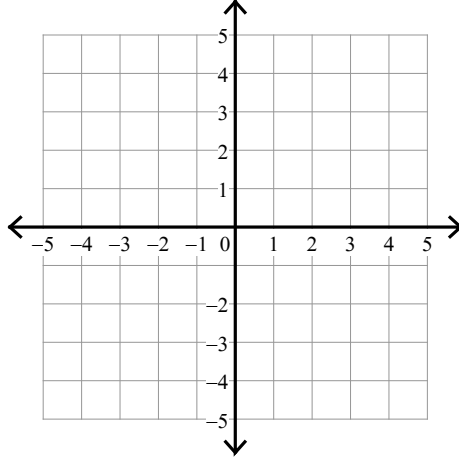
## Assignment

Sketch the solution to each system of inequalities.

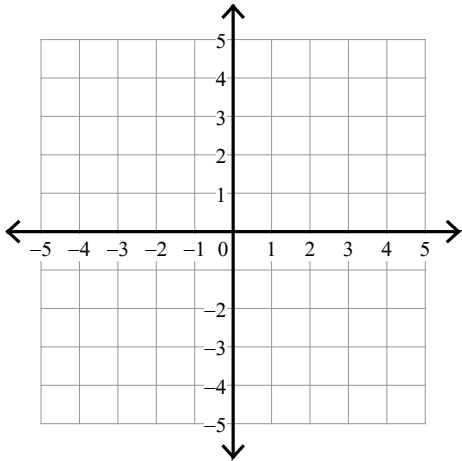
1)  $y < -x - 2$   
 $y < -4x + 1$



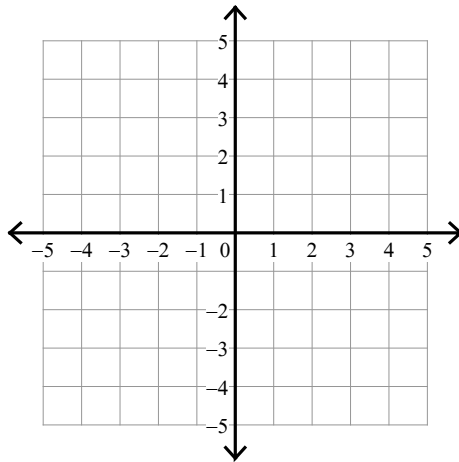
2)  $y \geq \frac{1}{2}x + 2$   
 $y \leq 3x - 3$



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

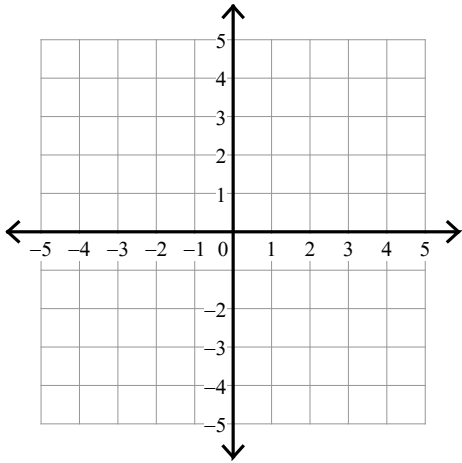


4)  $y > -\frac{1}{3}x - 2$   
 $y < \frac{2}{3}x + 1$



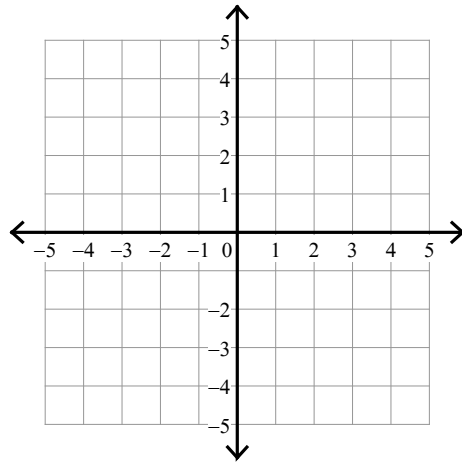
5)  $y < -2x + 3$

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



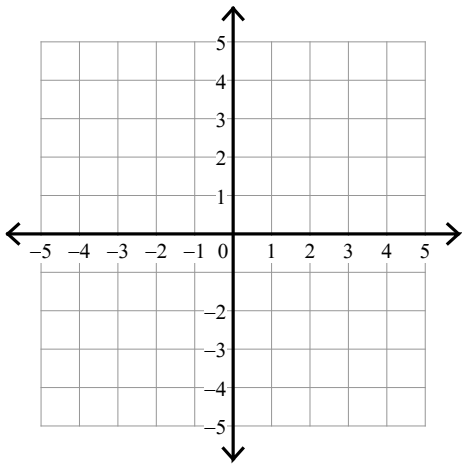
6)  $y > \frac{5}{2}x + 2$

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



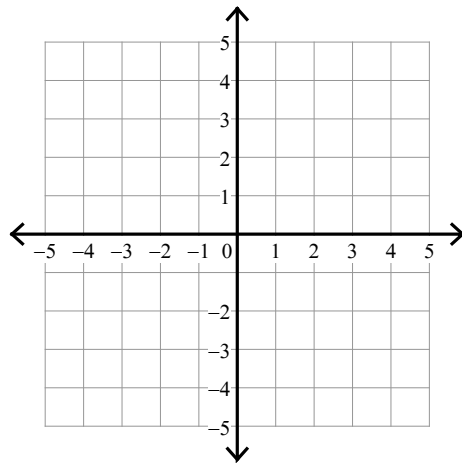
7)  $y \leq -x + 2$

$x > 1$



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

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



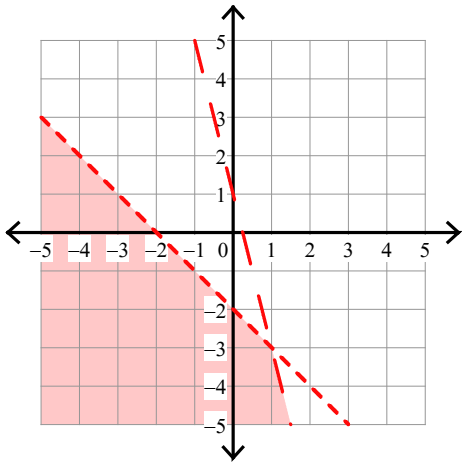
## Assignment

Name \_\_\_\_\_

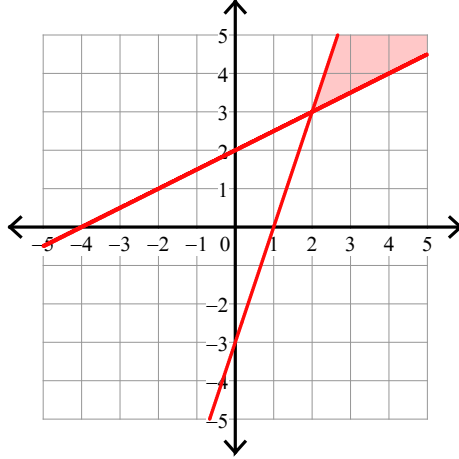
Date \_\_\_\_\_ Period \_\_\_\_\_

Sketch the solution to each system of inequalities.

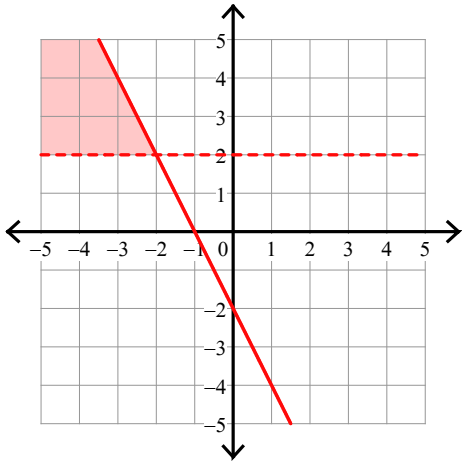
$$1) \begin{aligned} y &< -x - 2 \\ y &< -4x + 1 \end{aligned}$$



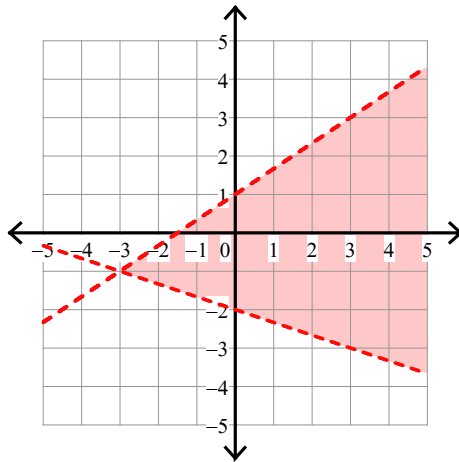
$$2) \begin{aligned} y &\geq \frac{1}{2}x + 2 \\ y &\leq 3x - 3 \end{aligned}$$



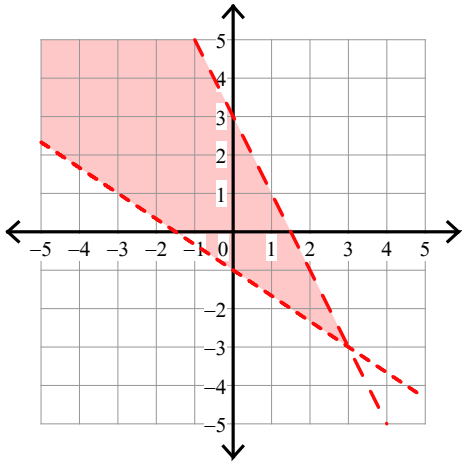
$$3) \begin{aligned} y &> 2 \\ y &\leq -2x - 2 \end{aligned}$$



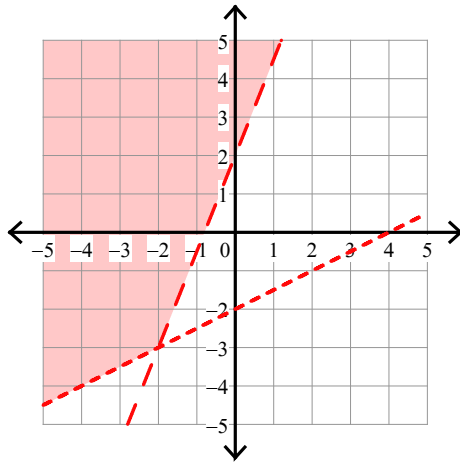
$$4) \begin{aligned} y &> -\frac{1}{3}x - 2 \\ y &< \frac{2}{3}x + 1 \end{aligned}$$



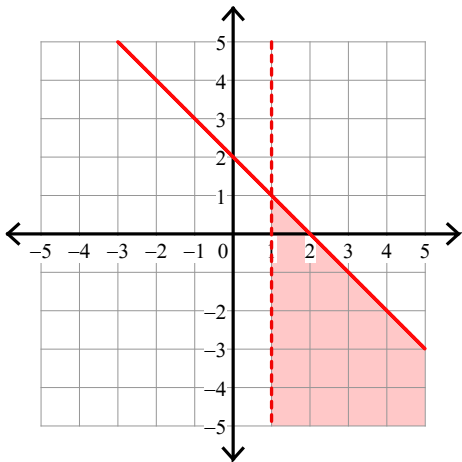
5)  $y < -2x + 3$   
 $y > -\frac{2}{3}x - 1$



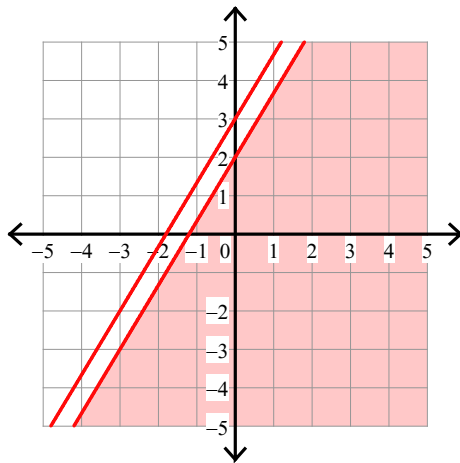
6)  $y > \frac{5}{2}x + 2$   
 $y > \frac{1}{2}x - 2$



7)  $y \leq -x + 2$   
 $x > 1$



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

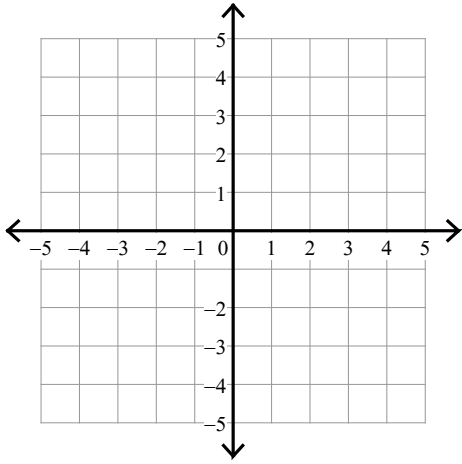


## Assignment

Sketch the solution to each system of inequalities.

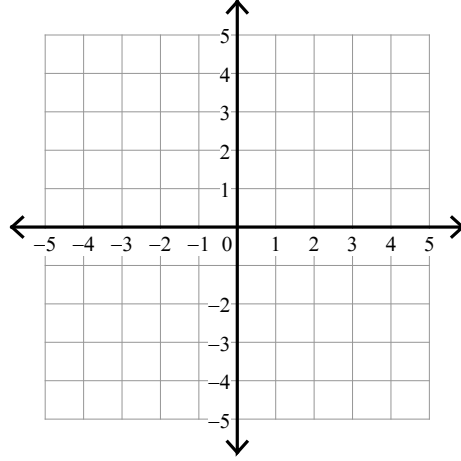
$$1) y < \frac{1}{3}x + 3$$

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



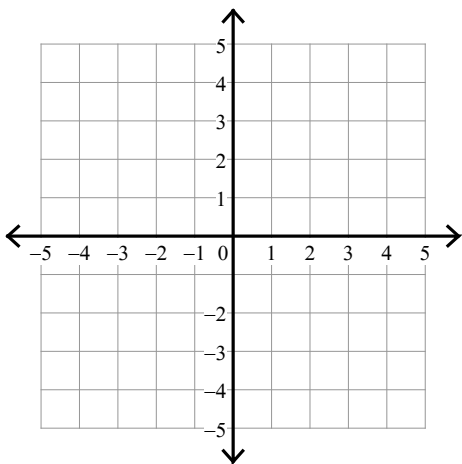
$$2) y > \frac{2}{3}x - 3$$

$$y \geq -x + 2$$



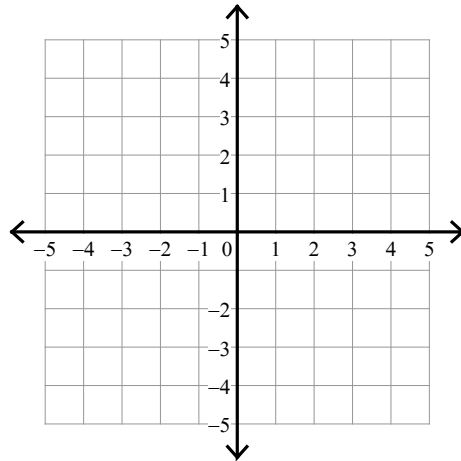
$$3) y > \frac{1}{2}x + 2$$

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

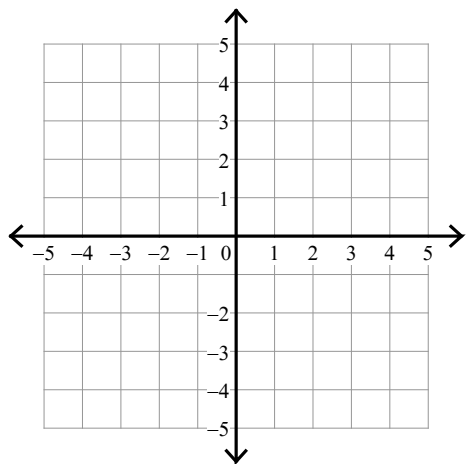


$$4) y > -x - 3$$

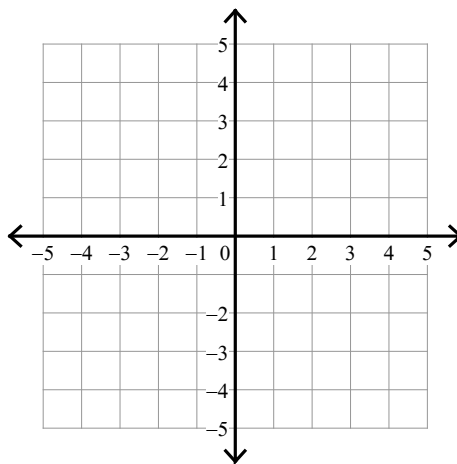
$$y < 2x + 3$$



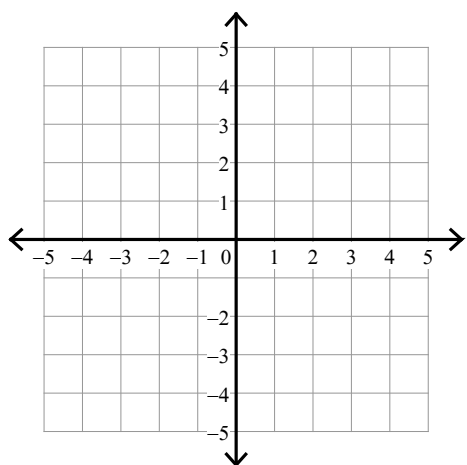
$$5) \begin{aligned} y &< -6x + 3 \\ y &\leq -3 \end{aligned}$$



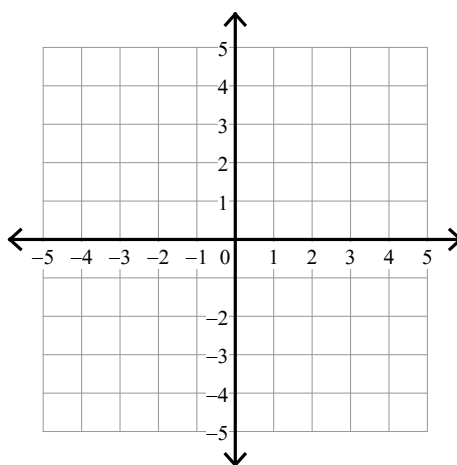
$$6) \begin{aligned} y &\geq -x - 3 \\ y &\leq 3x + 1 \end{aligned}$$



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



$$8) \begin{aligned} y &< \frac{1}{3}x - 3 \\ y &< -\frac{5}{3}x + 3 \end{aligned}$$



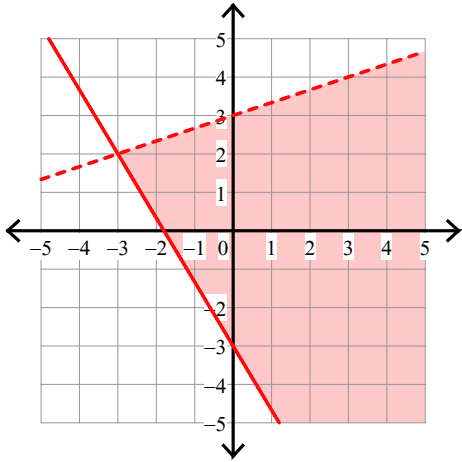
## Assignment

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

Sketch the solution to each system of inequalities.

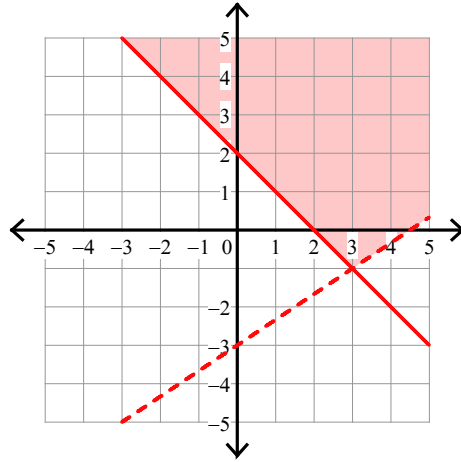
1)  $y < \frac{1}{3}x + 3$

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



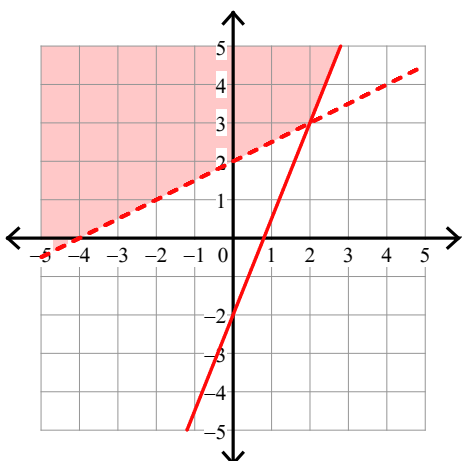
2)  $y > \frac{2}{3}x - 3$

$y \geq -x + 2$



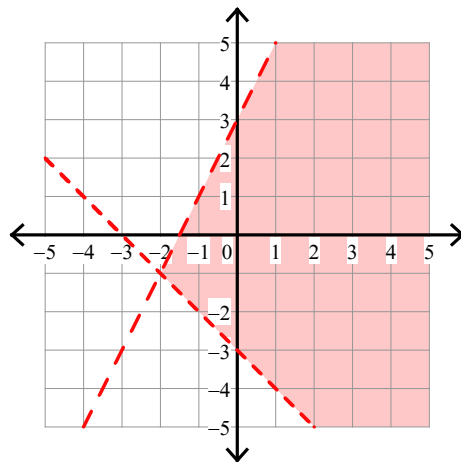
3)  $y > \frac{1}{2}x + 2$

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

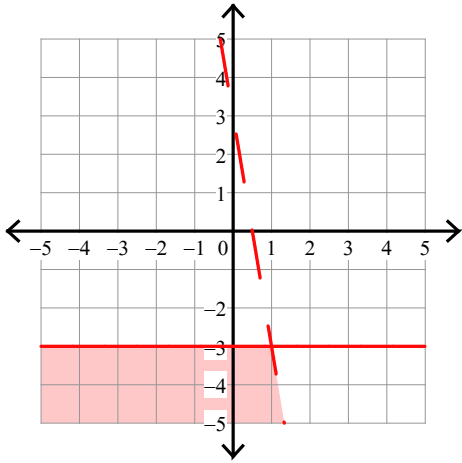


4)  $y > -x - 3$

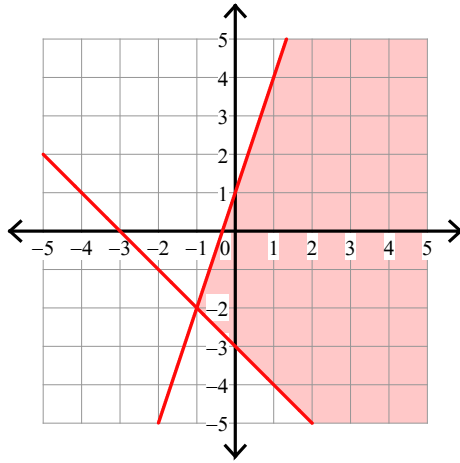
$y < 2x + 3$



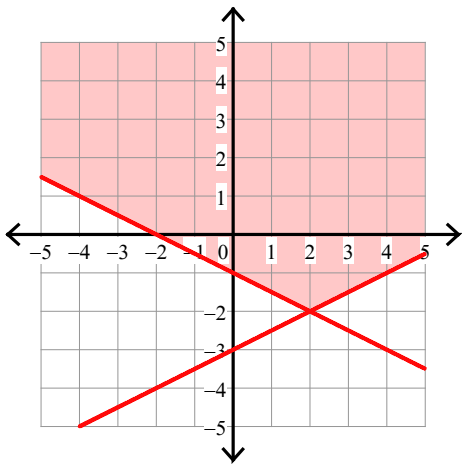
5)  $y < -6x + 3$   
 $y \leq -3$



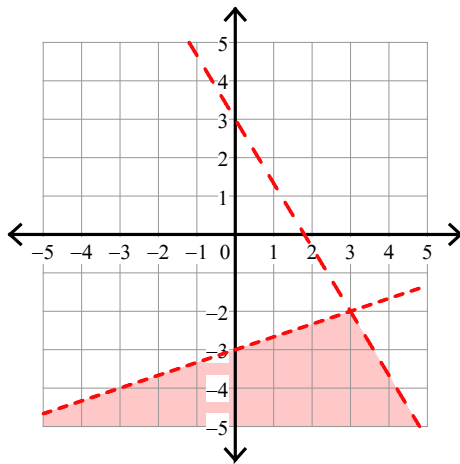
6)  $y \geq -x - 3$   
 $y \leq 3x + 1$



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



8)  $y < \frac{1}{3}x - 3$   
 $y < -\frac{5}{3}x + 3$

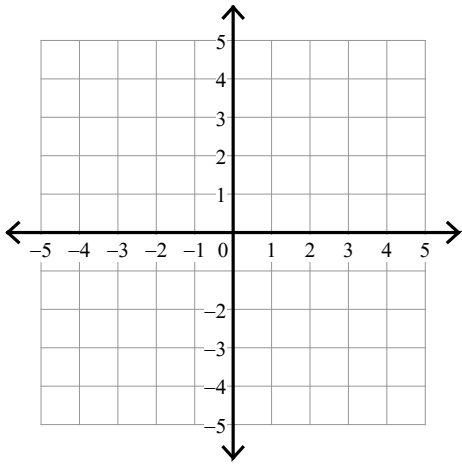




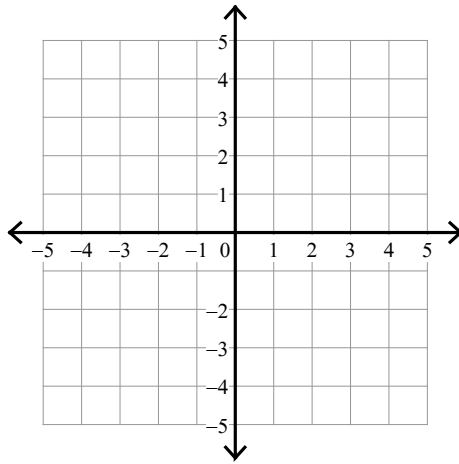
## Assignment

Sketch the solution to each system of inequalities.

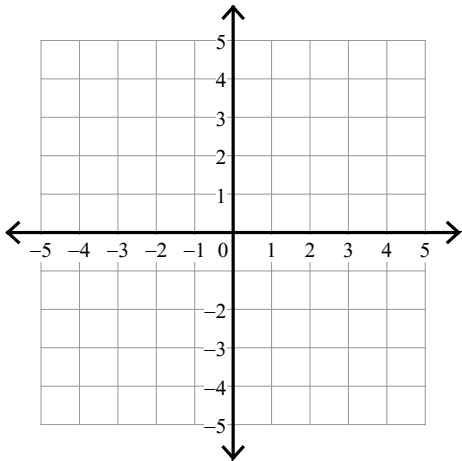
1)  $y < -2$   
 $y < -x + 1$



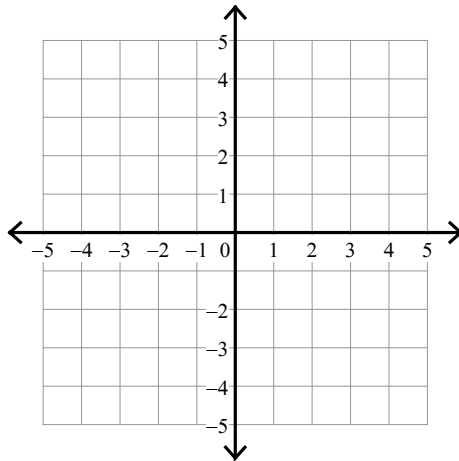
2)  $y > -x - 1$   
 $y < x - 3$



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

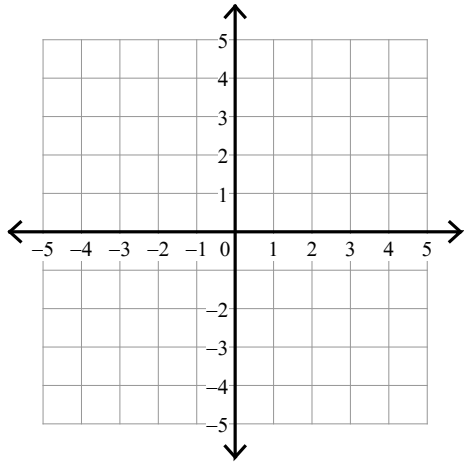


4)  $y < -\frac{1}{3}x + 3$   
 $y \geq \frac{1}{3}x + 1$



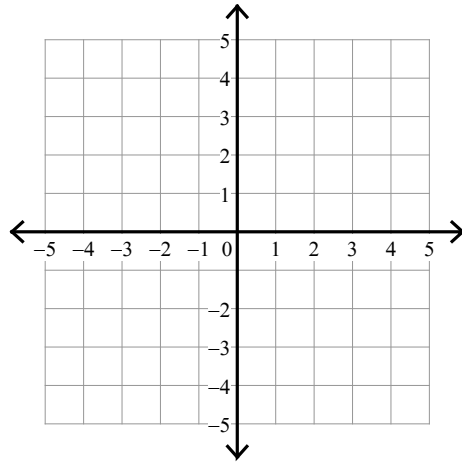
$$5) \ y > \frac{1}{3}x + 2$$

$$y \leq 2x - 3$$



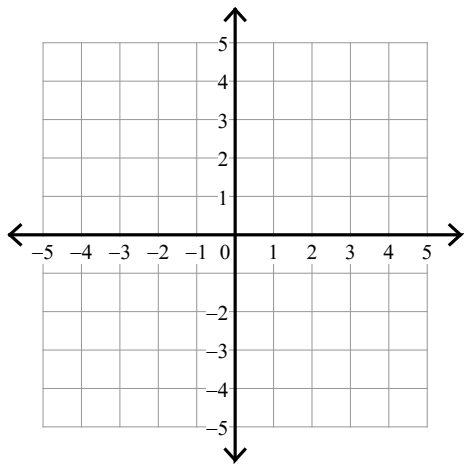
$$6) \ y < -x - 2$$

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



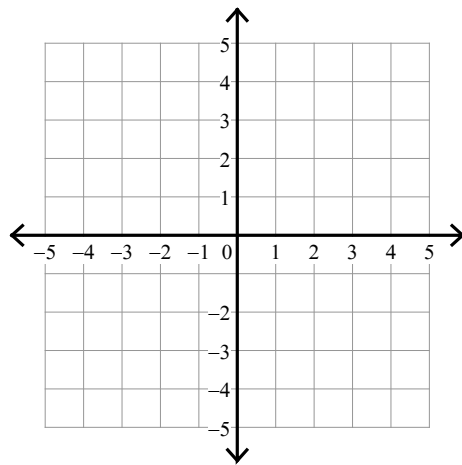
$$7) \ y > \frac{1}{3}x - 2$$

$$y < \frac{5}{3}x + 2$$



$$8) \ y < -2x - 1$$

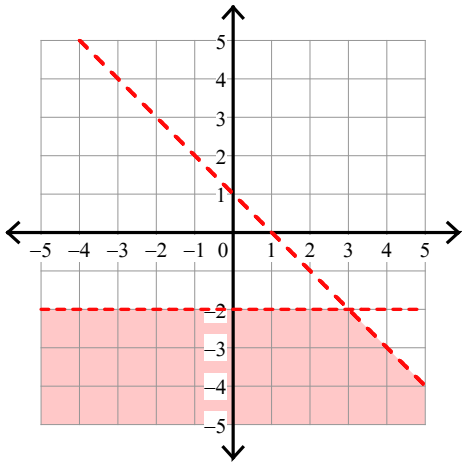
$$y < -\frac{1}{2}x + 2$$



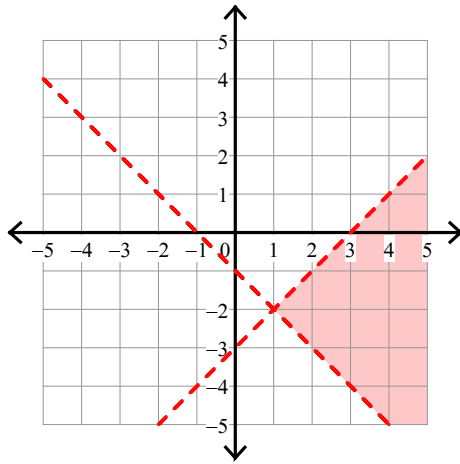
Assignment

Sketch the solution to each system of inequalities.

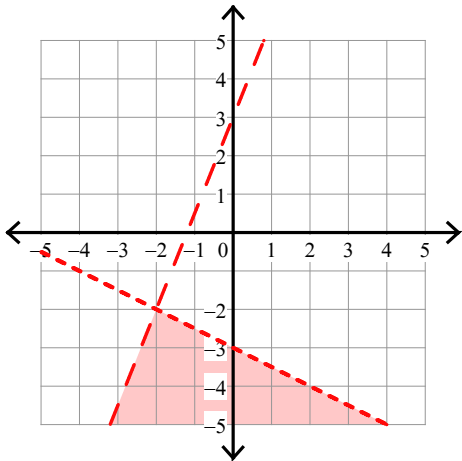
1)  $y < -2$   
 $y < -x + 1$



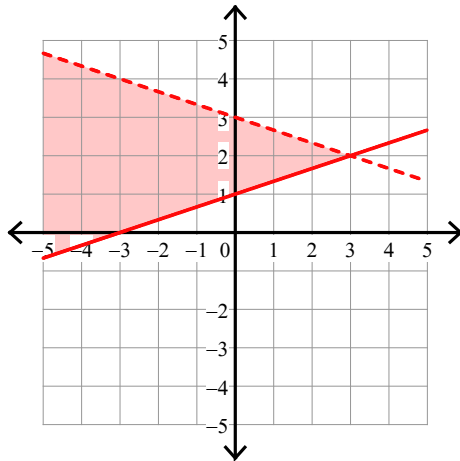
2)  $y > -x - 1$   
 $y < x - 3$



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

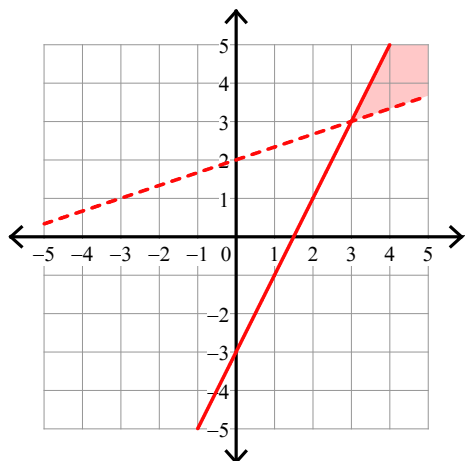


4)  $y < -\frac{1}{3}x + 3$   
 $y \geq \frac{1}{3}x + 1$



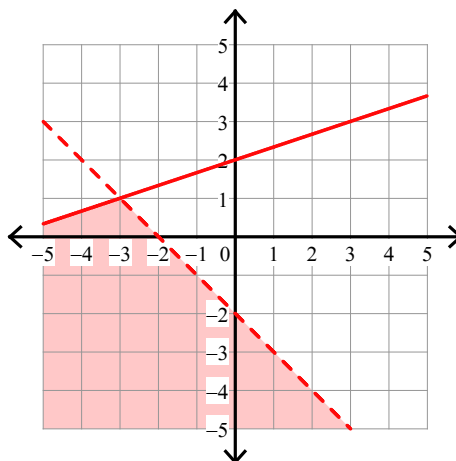
$$5) \ y > \frac{1}{3}x + 2$$

$$y \leq 2x - 3$$



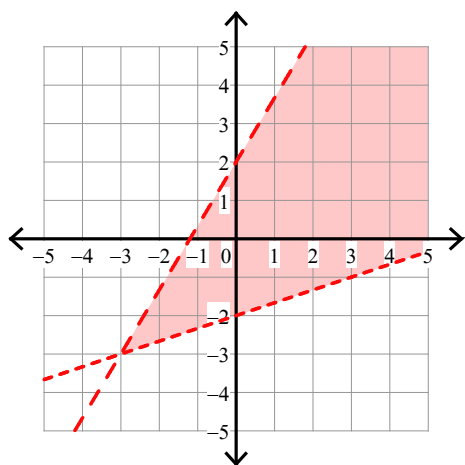
$$6) \ y < -x - 2$$

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



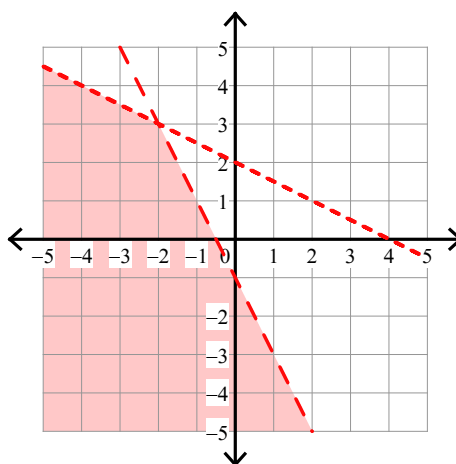
$$7) \ y > \frac{1}{3}x - 2$$

$$y < \frac{5}{3}x + 2$$



$$8) \ y < -2x - 1$$

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

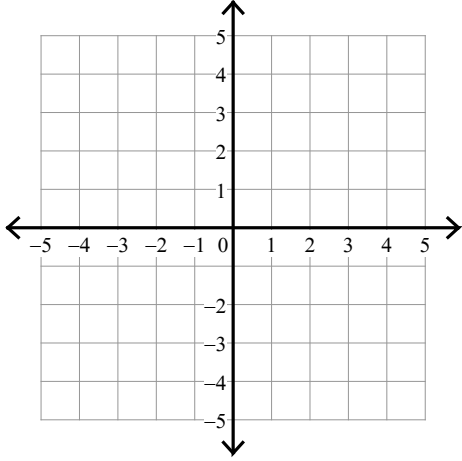


## Assignment

Sketch the solution to each system of inequalities.

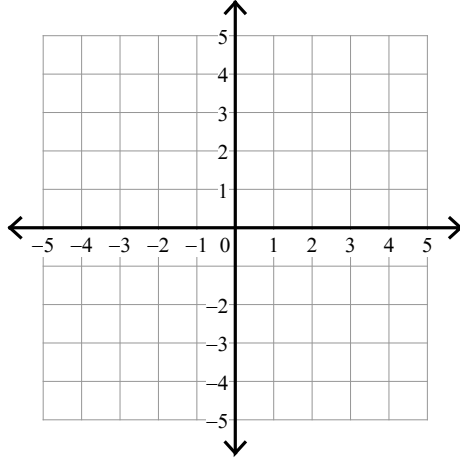
$$1) y \leq \frac{5}{3}x + 2$$

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



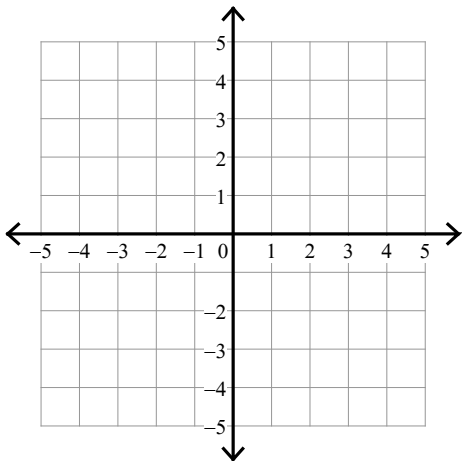
$$2) y \leq \frac{1}{3}x + 1$$

$$y > \frac{4}{3}x - 2$$



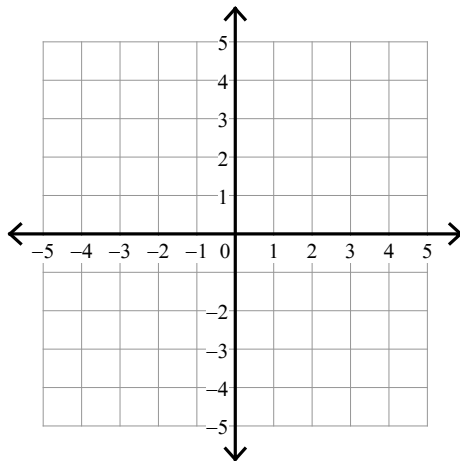
$$3) y \leq -x + 2$$

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

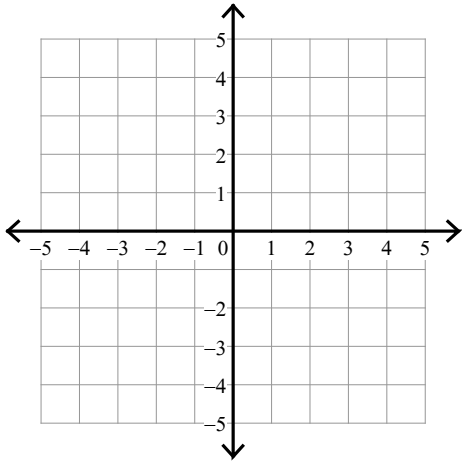


$$4) y \geq 4x + 3$$

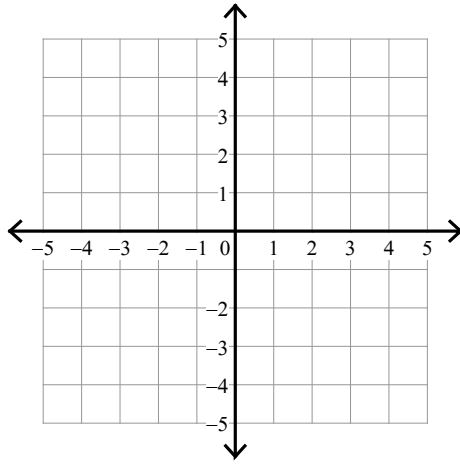
$$y > -2x - 3$$



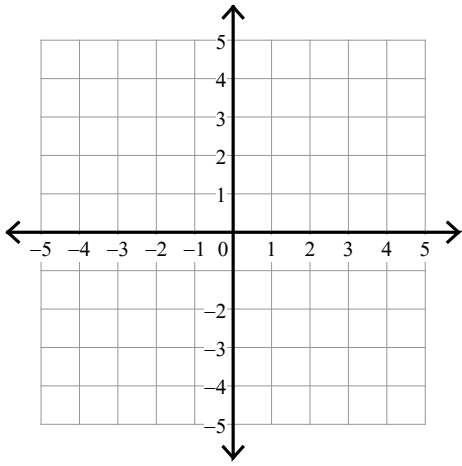
5)  $y \leq -4x + 3$   
 $y \geq x - 2$



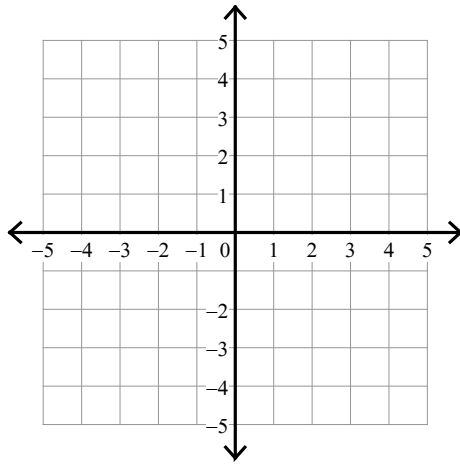
6)  $y \geq x + 1$   
 $y \leq 4x - 2$



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



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



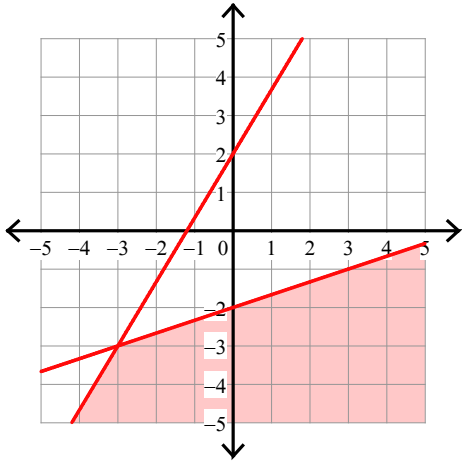
## Assignment

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

Sketch the solution to each system of inequalities.

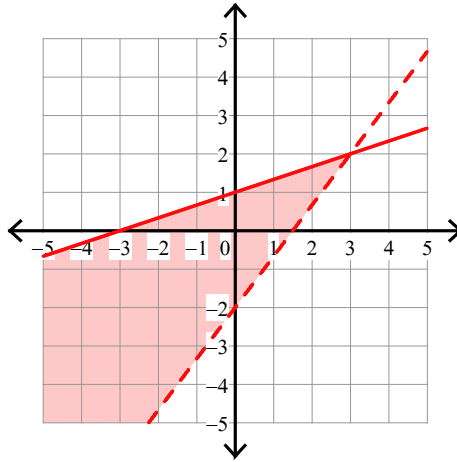
1)  $y \leq \frac{5}{3}x + 2$

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

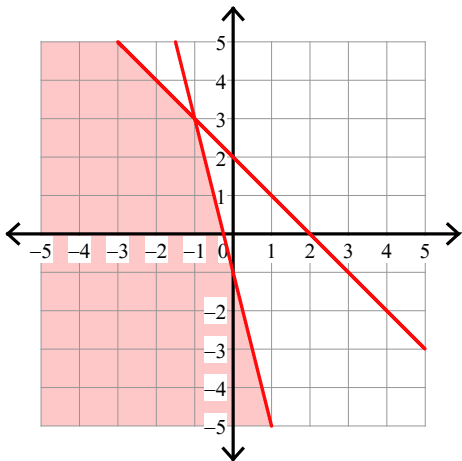


2)  $y \leq \frac{1}{3}x + 1$

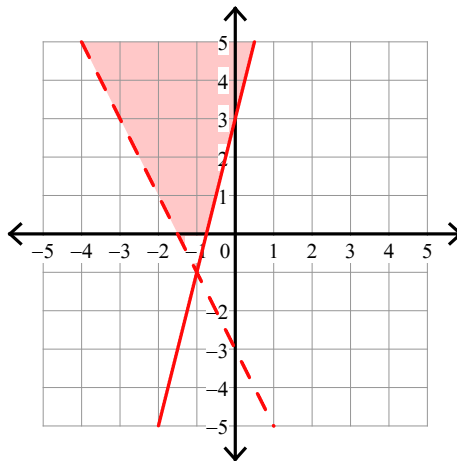
$y > \frac{4}{3}x - 2$



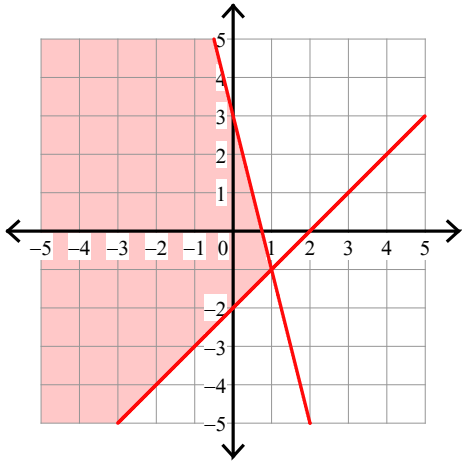
3)  $y \leq -x + 2$   
 $y \leq -4x - 1$



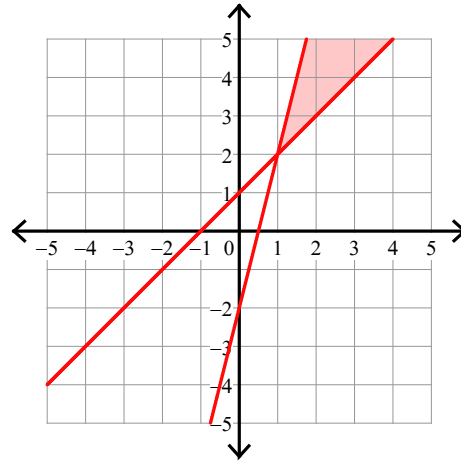
4)  $y \geq 4x + 3$   
 $y > -2x - 3$



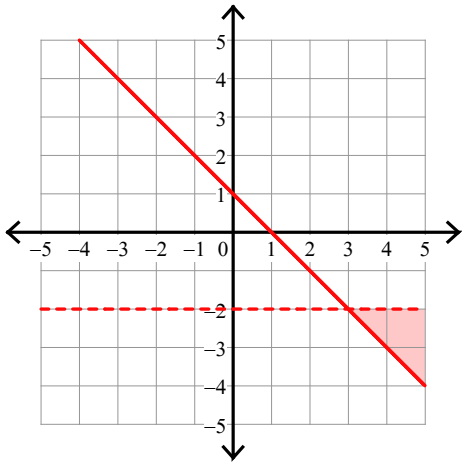
5)  $y \leq -4x + 3$   
 $y \geq x - 2$



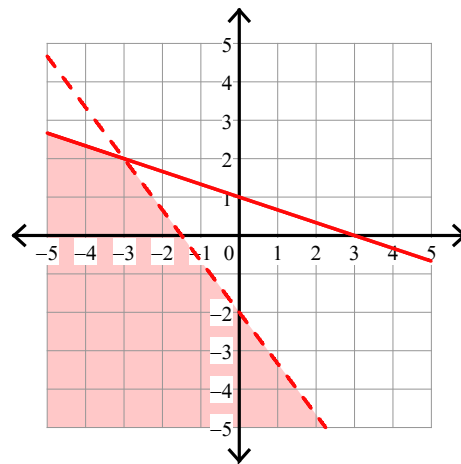
6)  $y \geq x + 1$   
 $y \leq 4x - 2$



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



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

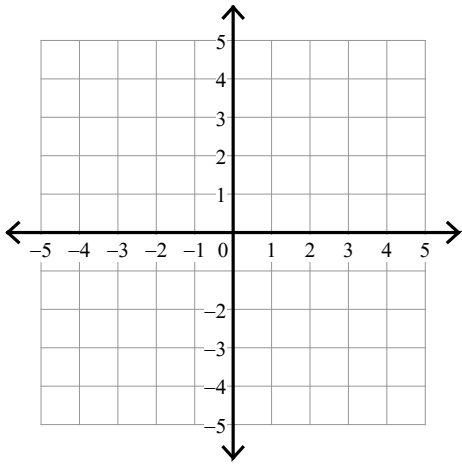




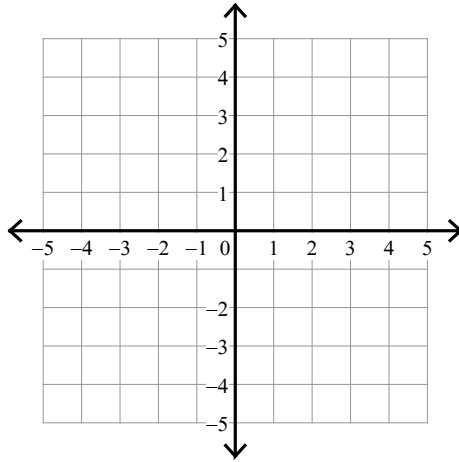
## Assignment

Sketch the solution to each system of inequalities.

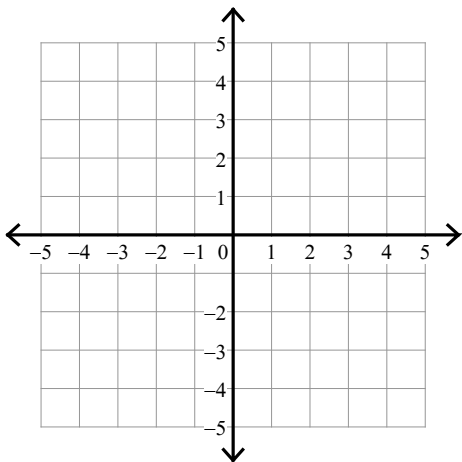
1)  $y > -4x - 2$   
 $y \leq x + 3$



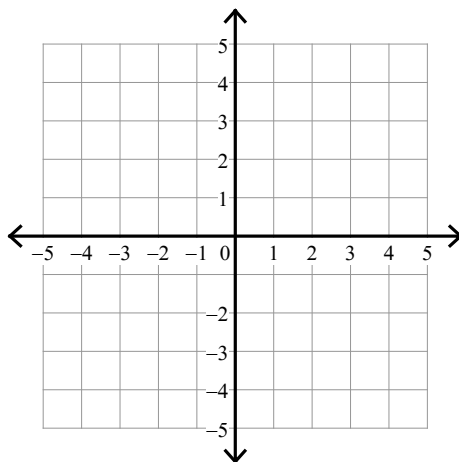
2)  $y \leq \frac{1}{2}x + 1$   
 $y > \frac{3}{2}x - 1$



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

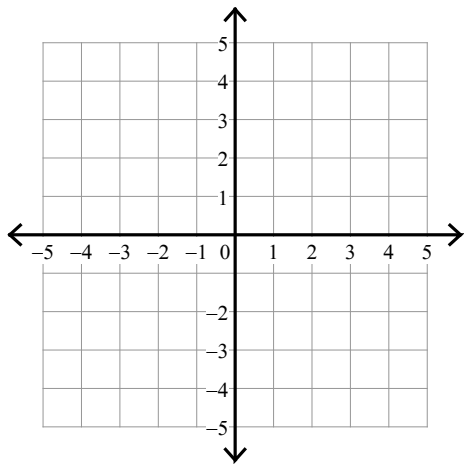


4)  $y \geq -\frac{4}{3}x + 1$   
 $y < -\frac{1}{3}x - 2$



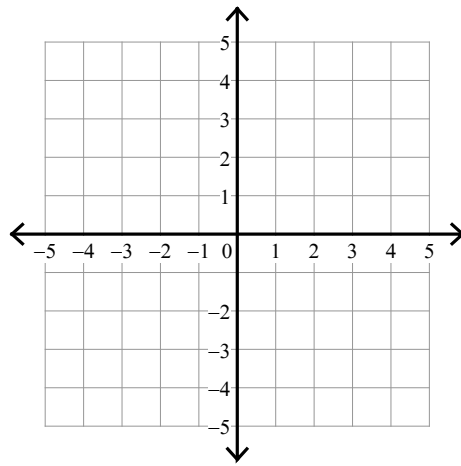
$$5) y < -2x - 2$$

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



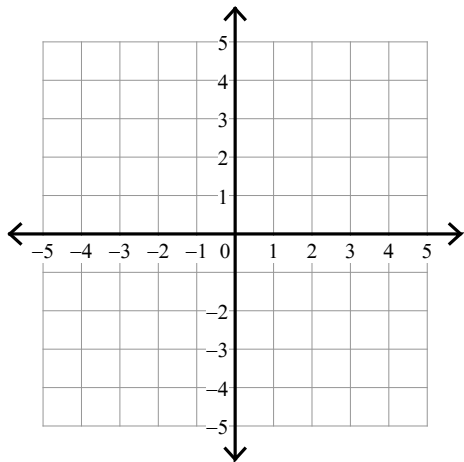
$$6) y > -5x + 3$$

$$y \geq x - 3$$



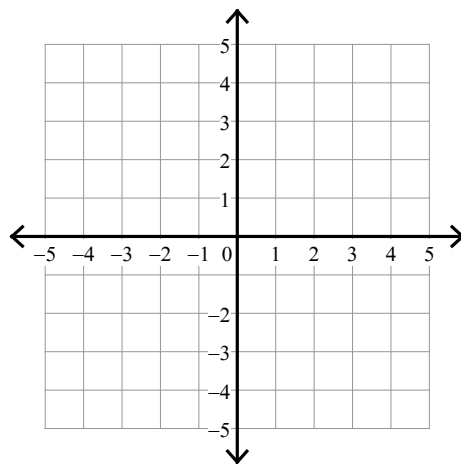
$$7) y \geq -4x + 1$$

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



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

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

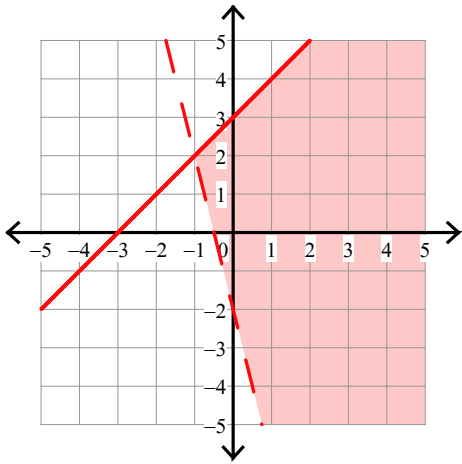


## Assignment

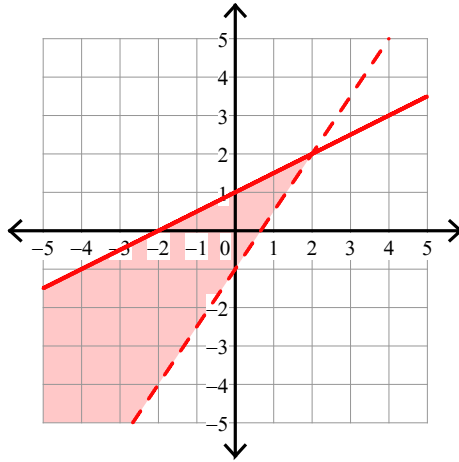
Date \_\_\_\_\_ Period \_\_\_\_\_

Sketch the solution to each system of inequalities.

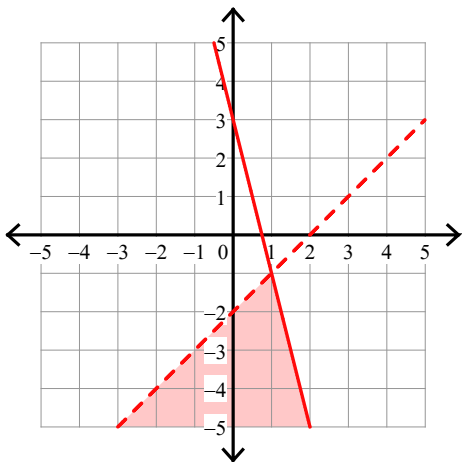
$$1) \begin{aligned} y &> -4x - 2 \\ y &\leq x + 3 \end{aligned}$$



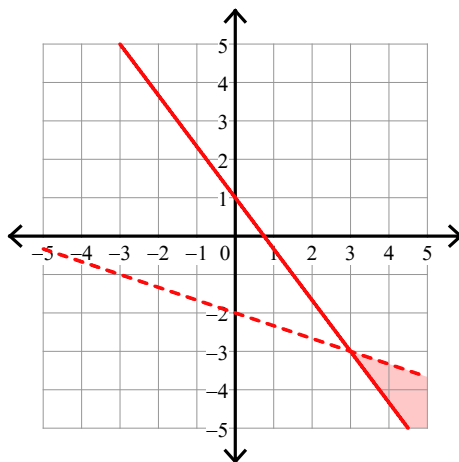
$$2) \begin{aligned} y &\leq \frac{1}{2}x + 1 \\ y &> \frac{3}{2}x - 1 \end{aligned}$$



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

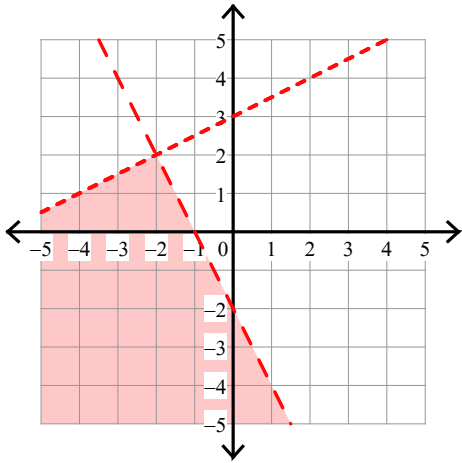


$$4) \begin{aligned} y &\geq -\frac{4}{3}x + 1 \\ y &< -\frac{1}{3}x - 2 \end{aligned}$$



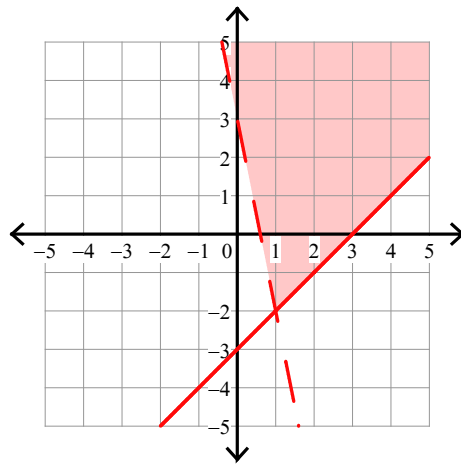
$$5) y < -2x - 2$$

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



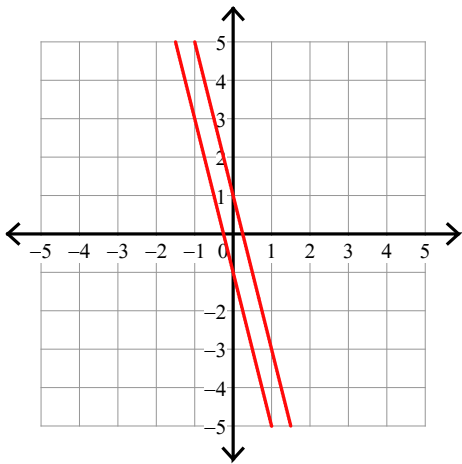
$$6) y > -5x + 3$$

$$y \geq x - 3$$



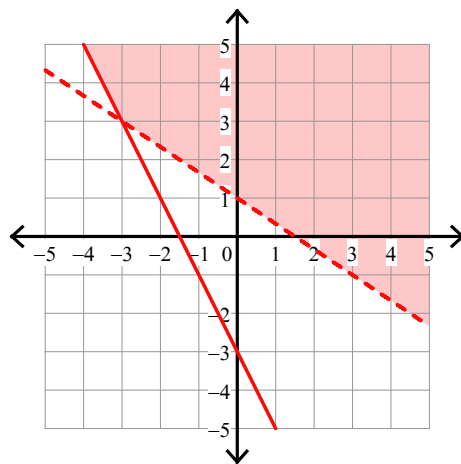
$$7) y \geq -4x + 1$$

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



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

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



## Assignment

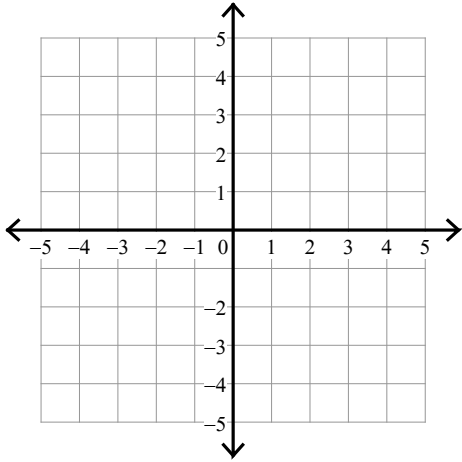
Name \_\_\_\_\_

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

Sketch the solution to each system of inequalities.

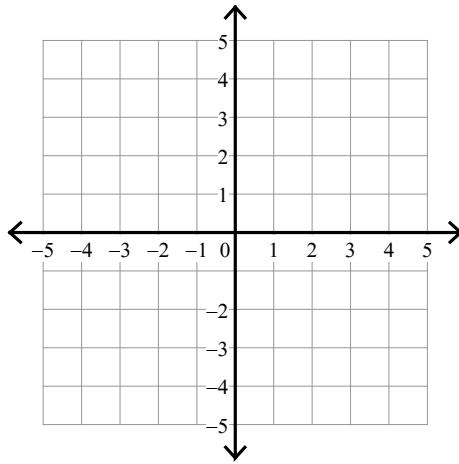
1)  $y > -x - 2$

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



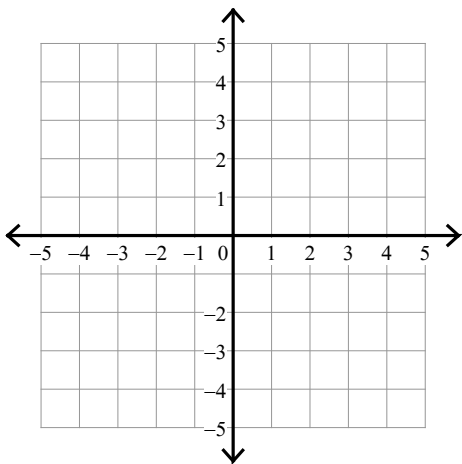
2)  $y \leq -1$

$y > -x + 1$



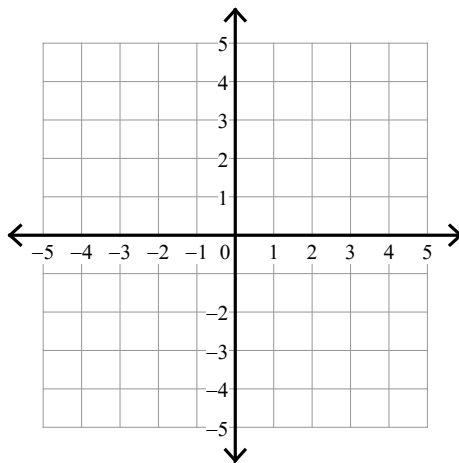
3)  $y \geq -2x - 3$

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

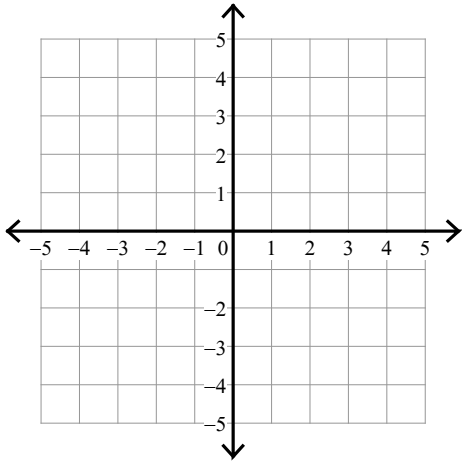


4)  $y < -\frac{5}{3}x + 3$

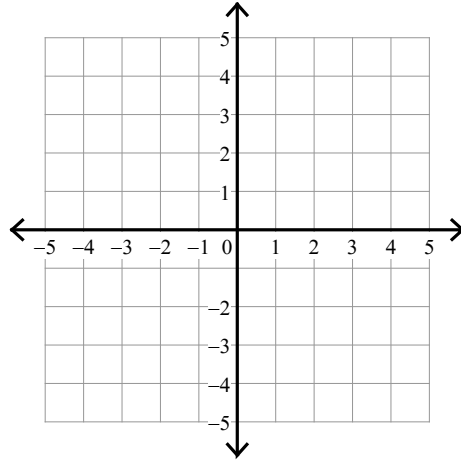
$y \geq -\frac{1}{3}x - 1$



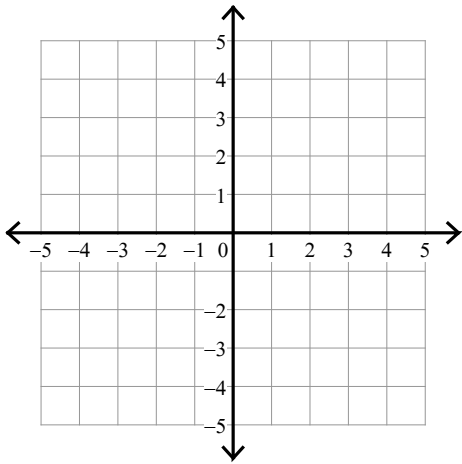
$$5) \begin{aligned} y &\leq -2x - 3 \\ y &\geq 4x + 3 \end{aligned}$$



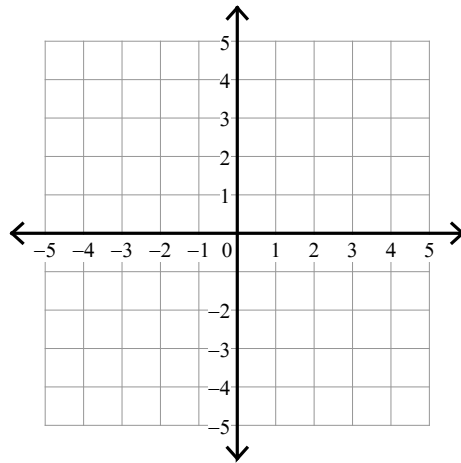
$$6) \begin{aligned} y &< \frac{1}{3}x - 2 \\ y &\geq -x + 2 \end{aligned}$$



$$7) \begin{aligned} y &> \frac{1}{3}x + 2 \\ y &\geq \frac{4}{3}x - 1 \end{aligned}$$



$$8) \begin{aligned} y &\geq -\frac{4}{3}x - 1 \\ x &\geq -3 \end{aligned}$$



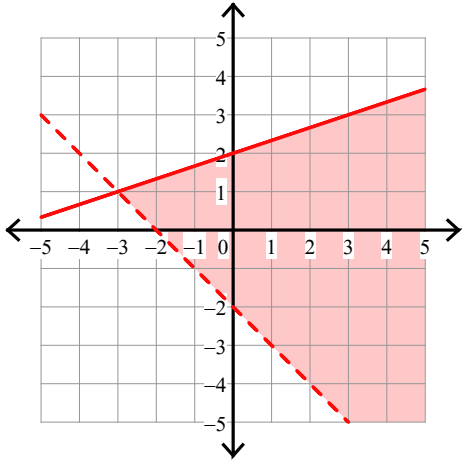
## Assignment

Name \_\_\_\_\_

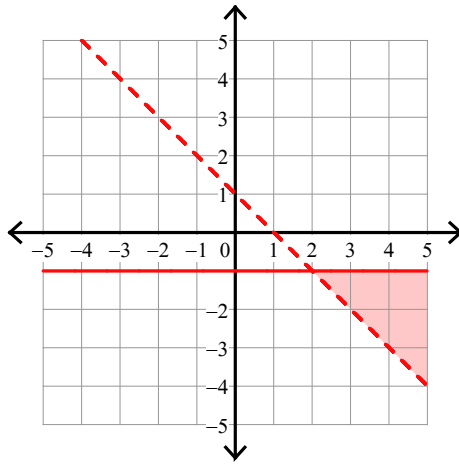
Date \_\_\_\_\_ Period \_\_\_\_\_

Sketch the solution to each system of inequalities.

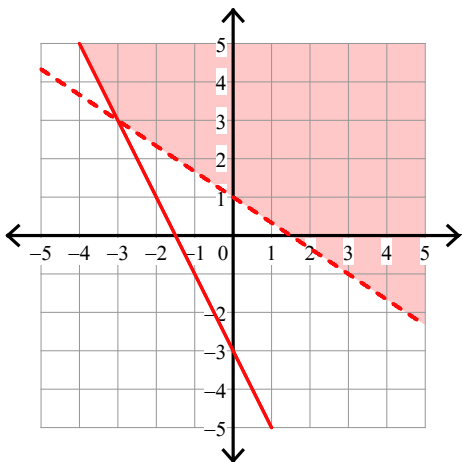
$$1) \begin{aligned} y &> -x - 2 \\ y &\leq \frac{1}{3}x + 2 \end{aligned}$$



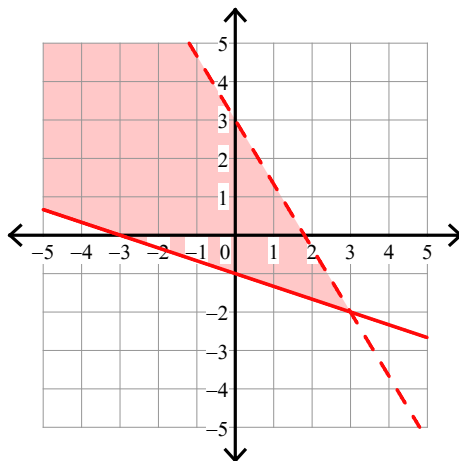
$$2) \begin{aligned} y &\leq -1 \\ y &> -x + 1 \end{aligned}$$



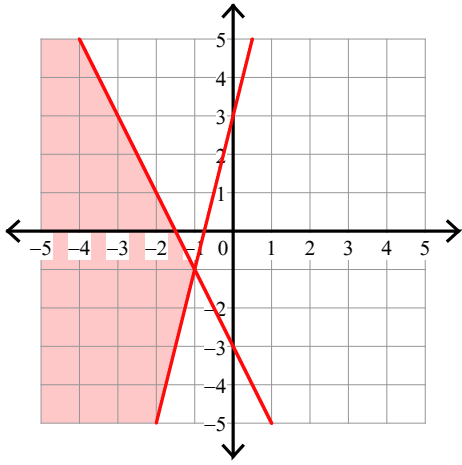
$$3) \begin{aligned} y &\geq -2x - 3 \\ y &> -\frac{2}{3}x + 1 \end{aligned}$$



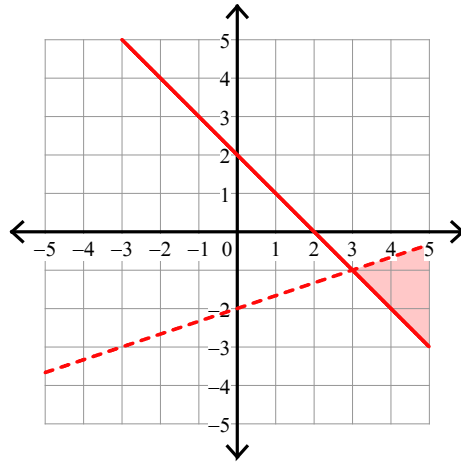
$$4) \begin{aligned} y &< -\frac{5}{3}x + 3 \\ y &\geq -\frac{1}{3}x - 1 \end{aligned}$$



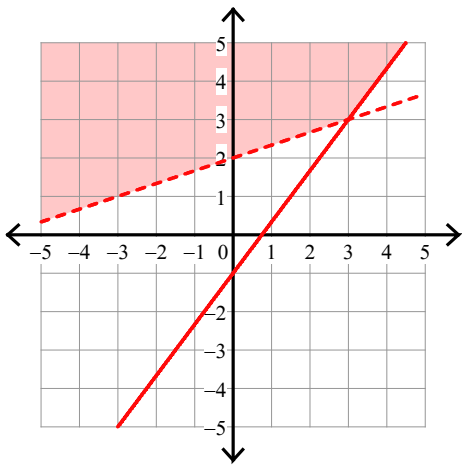
5)  $y \leq -2x - 3$   
 $y \geq 4x + 3$



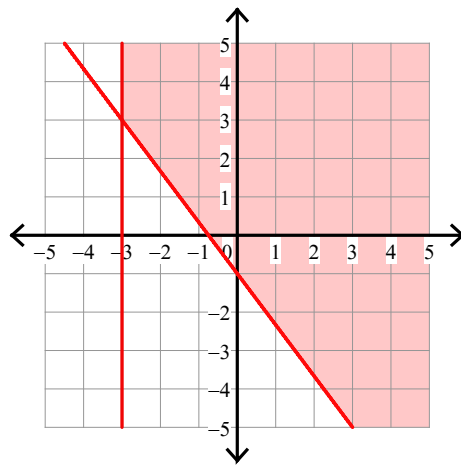
6)  $y < \frac{1}{3}x - 2$   
 $y \geq -x + 2$



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



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





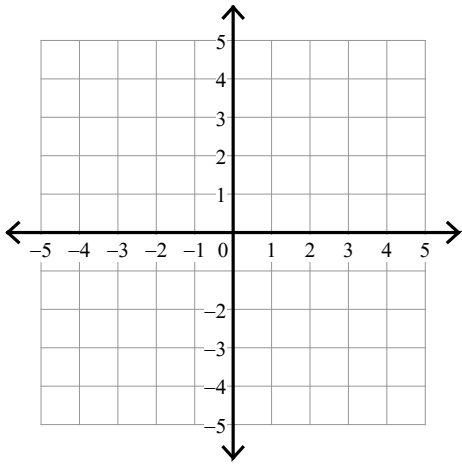
## Assignment

Name \_\_\_\_\_

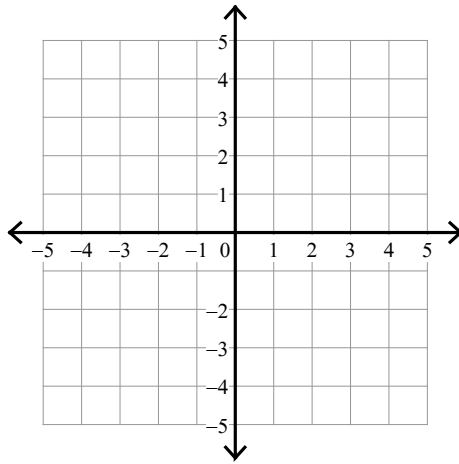
Date \_\_\_\_\_ Period \_\_\_\_\_

Sketch the solution to each system of inequalities.

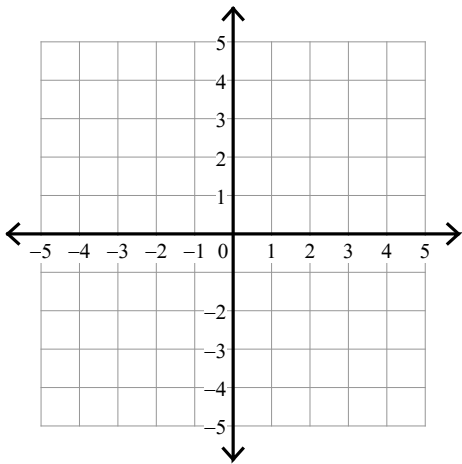
$$1) \begin{aligned} y &> 2 \\ y &\leq -3x - 1 \end{aligned}$$



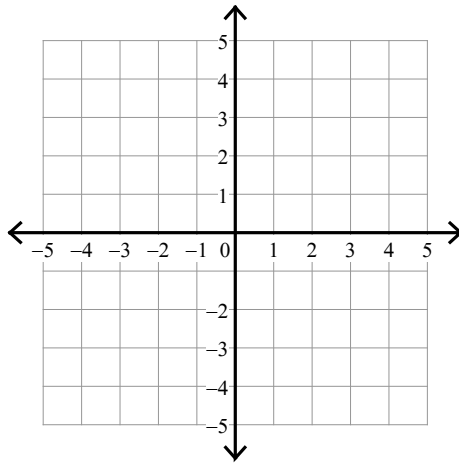
$$2) \begin{aligned} y &< -2x - 3 \\ y &\geq 2x + 1 \end{aligned}$$



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

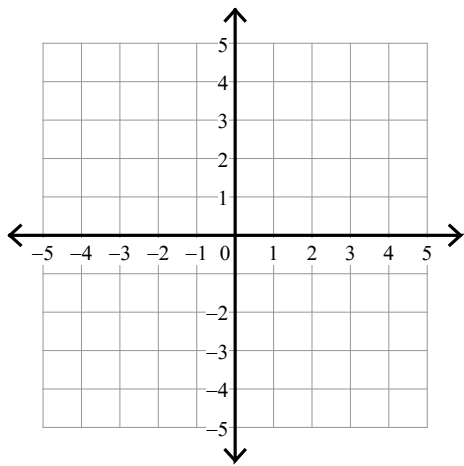


$$4) \begin{aligned} y &> -2x + 3 \\ y &> 2x - 1 \end{aligned}$$



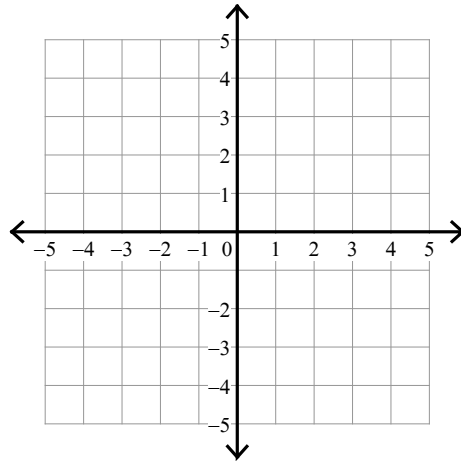
$$5) y > -\frac{1}{3}x - 3$$

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



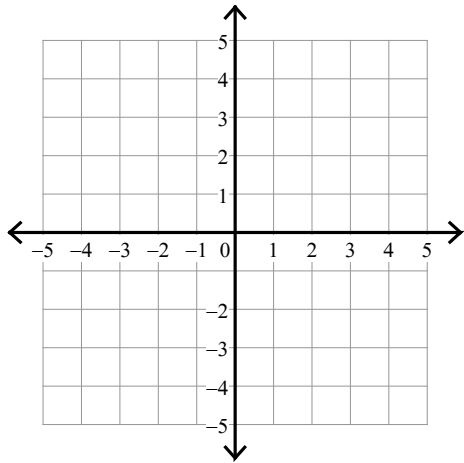
$$6) x < -3$$

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



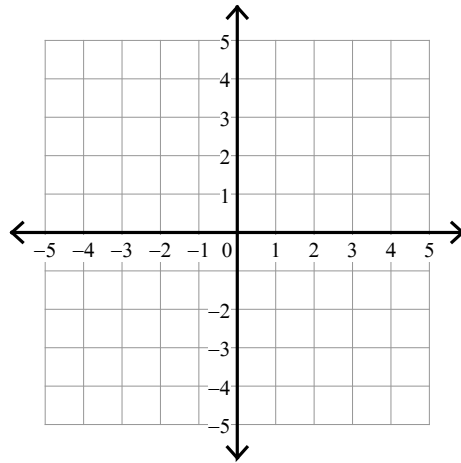
$$7) y > -5x - 2$$

$$y < 3$$



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

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



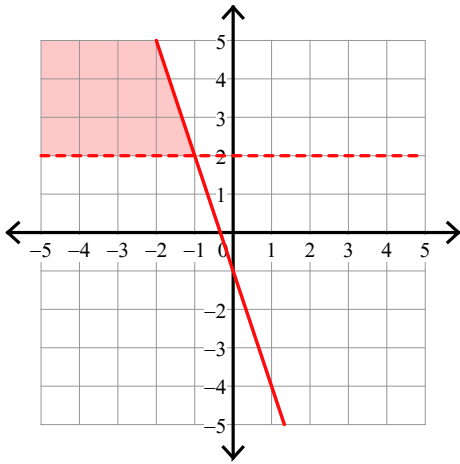
## Assignment

Name \_\_\_\_\_

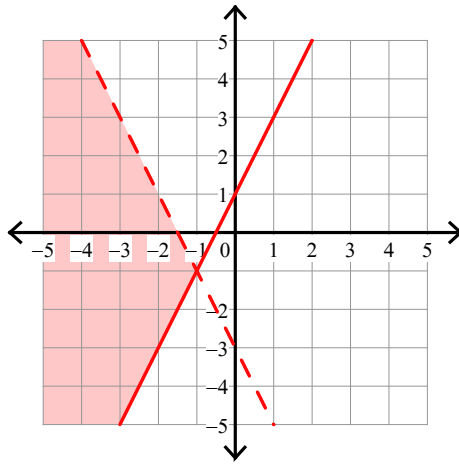
Date \_\_\_\_\_ Period \_\_\_\_\_

Sketch the solution to each system of inequalities.

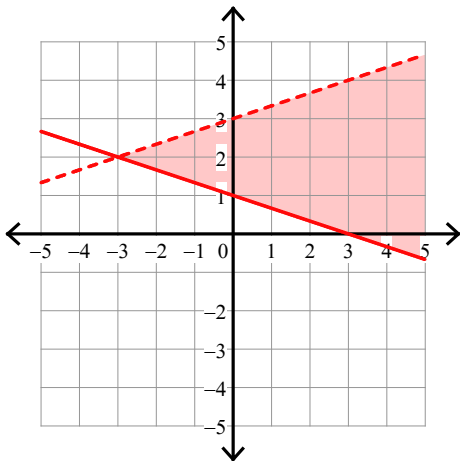
$$1) \begin{cases} y > 2 \\ y \leq -3x - 1 \end{cases}$$



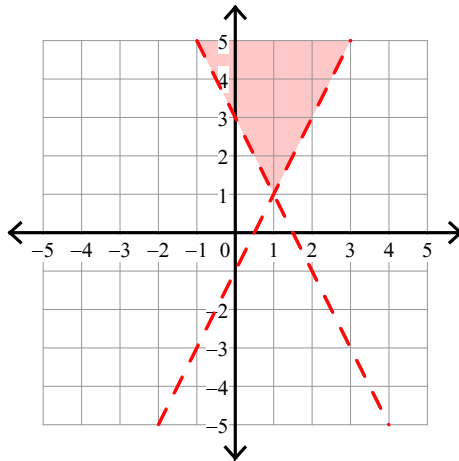
$$2) \begin{cases} y < -2x - 3 \\ y \geq 2x + 1 \end{cases}$$



$$3) \begin{cases} y < \frac{1}{3}x + 3 \\ y \geq -\frac{1}{3}x + 1 \end{cases}$$

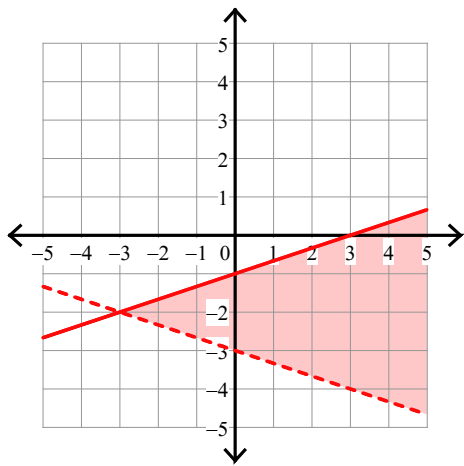


$$4) \begin{cases} y > -2x + 3 \\ y > 2x - 1 \end{cases}$$



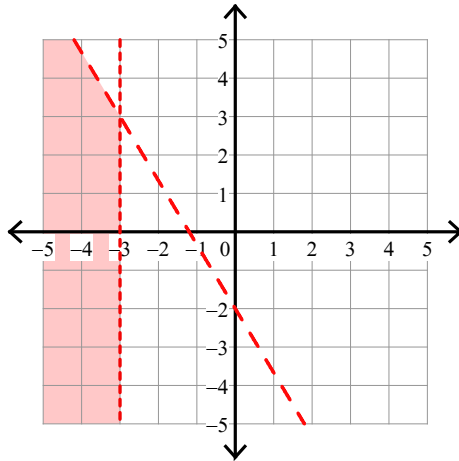
$$5) y > -\frac{1}{3}x - 3$$

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



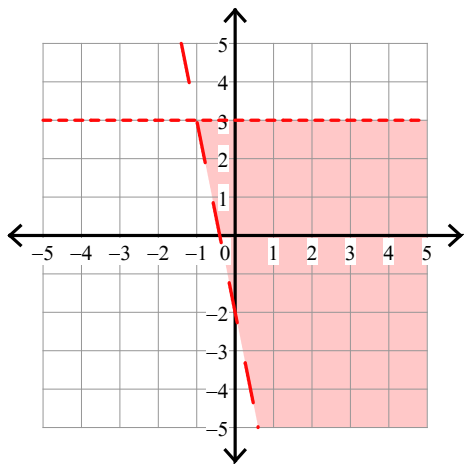
$$6) x < -3$$

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



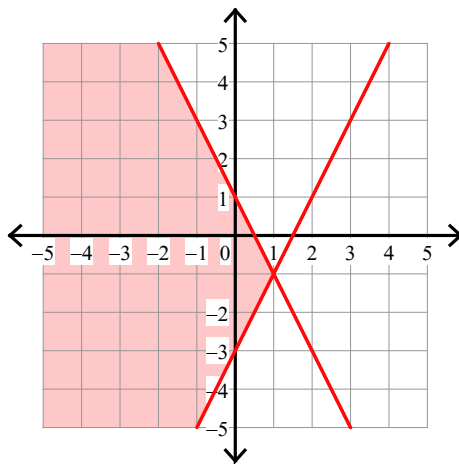
$$7) y > -5x - 2$$

$$y < 3$$



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

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



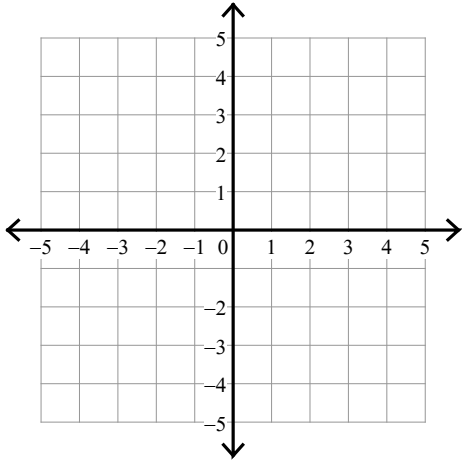
## Assignment

Name \_\_\_\_\_

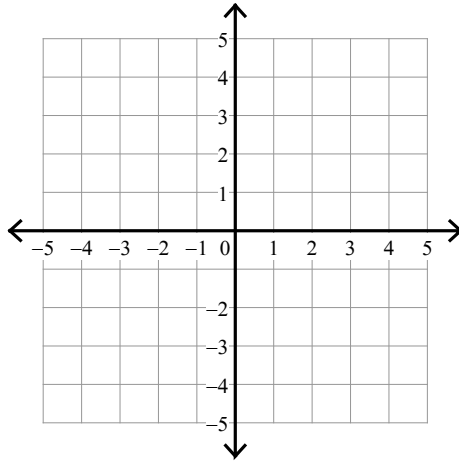
Date \_\_\_\_\_ Period \_\_\_\_\_

Sketch the solution to each system of inequalities.

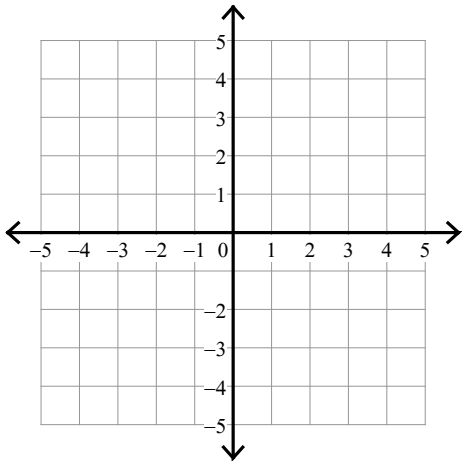
$$1) \begin{cases} y \geq 3x + 3 \\ y < \frac{1}{2}x - 2 \end{cases}$$



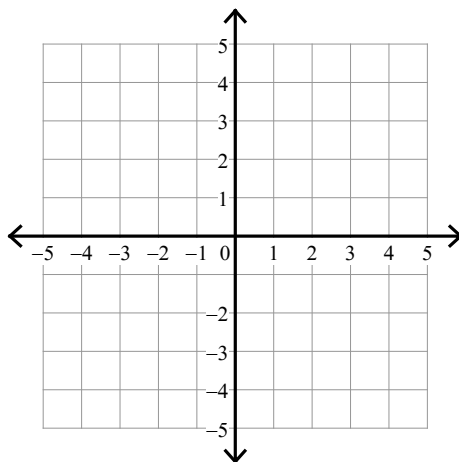
$$2) \begin{cases} y < \frac{4}{3}x - 3 \\ y < -\frac{1}{3}x + 2 \end{cases}$$



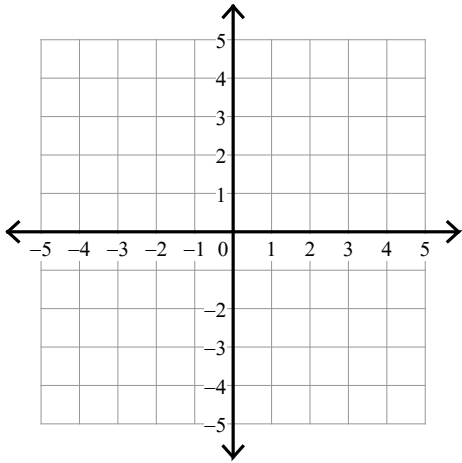
$$3) \begin{cases} y \leq -3 \\ y > -\frac{5}{2}x + 2 \end{cases}$$



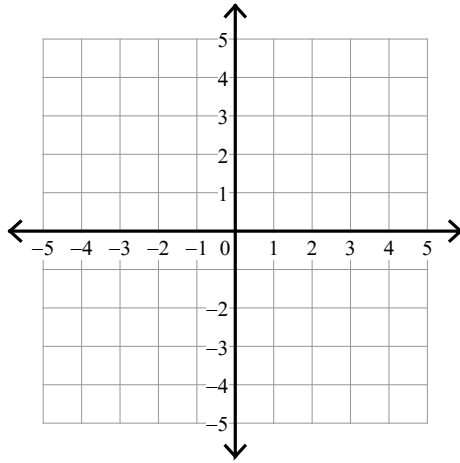
$$4) \begin{cases} y > -\frac{1}{2}x - 1 \\ y \leq -\frac{3}{2}x + 1 \end{cases}$$



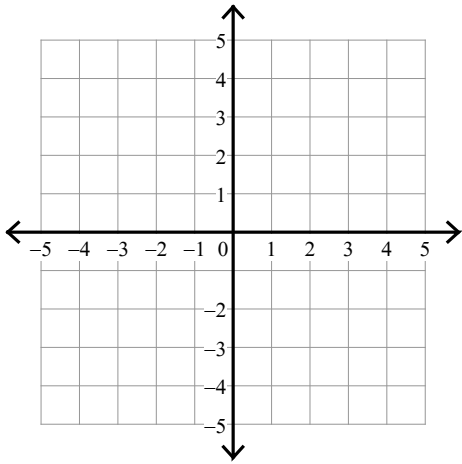
5)  $x \leq 2$   
 $y \geq \frac{1}{2}x + 2$



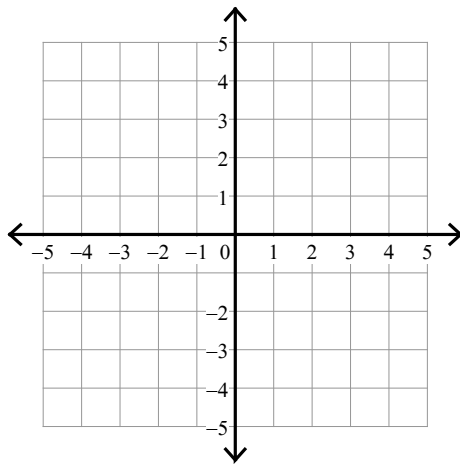
6)  $y \leq -x + 3$   
 $y > 5x - 3$



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



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



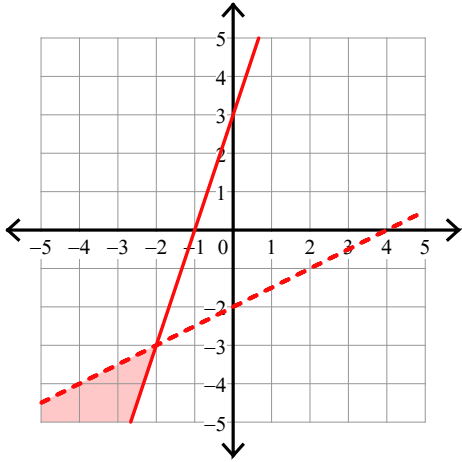
## Assignment

Name \_\_\_\_\_

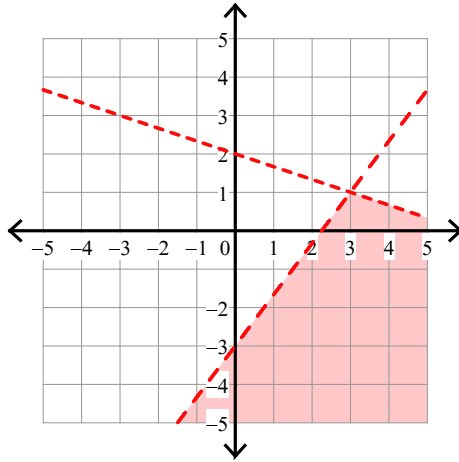
Date \_\_\_\_\_ Period \_\_\_\_\_

Sketch the solution to each system of inequalities.

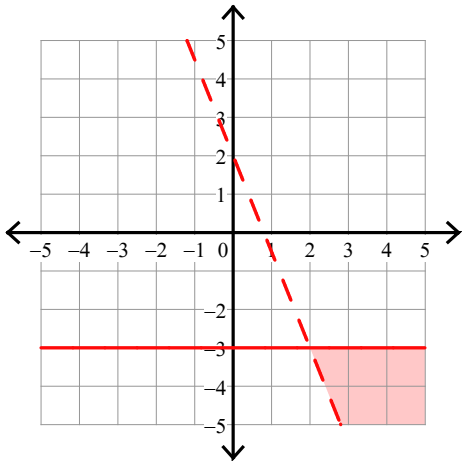
$$1) \begin{aligned} y &\geq 3x + 3 \\ y &< \frac{1}{2}x - 2 \end{aligned}$$



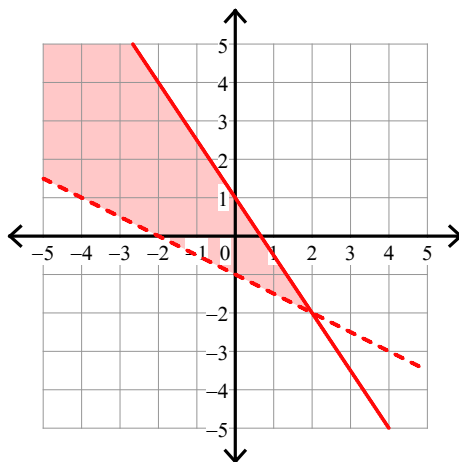
$$2) \begin{aligned} y &< \frac{4}{3}x - 3 \\ y &< -\frac{1}{3}x + 2 \end{aligned}$$



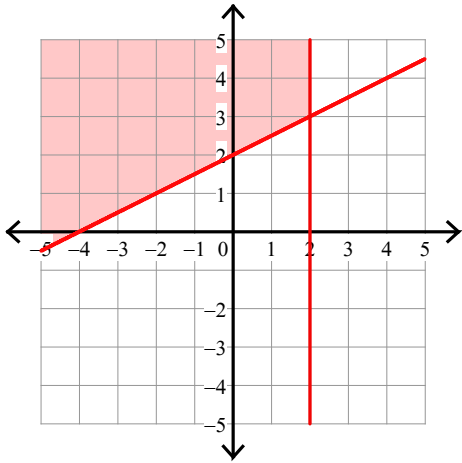
$$3) \begin{aligned} y &\leq -3 \\ y &> -\frac{5}{2}x + 2 \end{aligned}$$



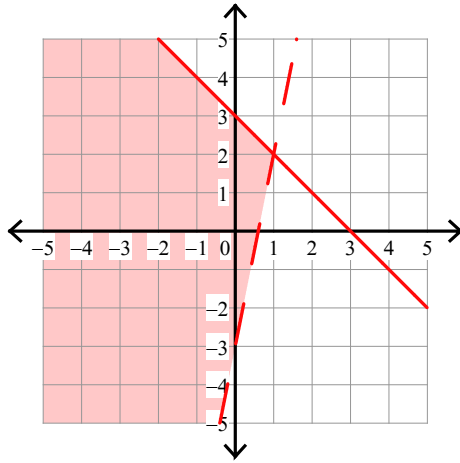
$$4) \begin{aligned} y &> -\frac{1}{2}x - 1 \\ y &\leq -\frac{3}{2}x + 1 \end{aligned}$$



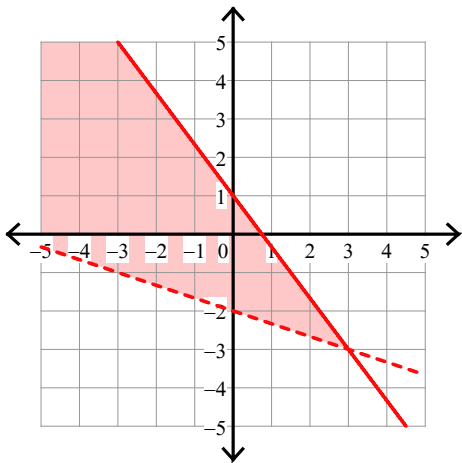
5)  $x \leq 2$   
 $y \geq \frac{1}{2}x + 2$



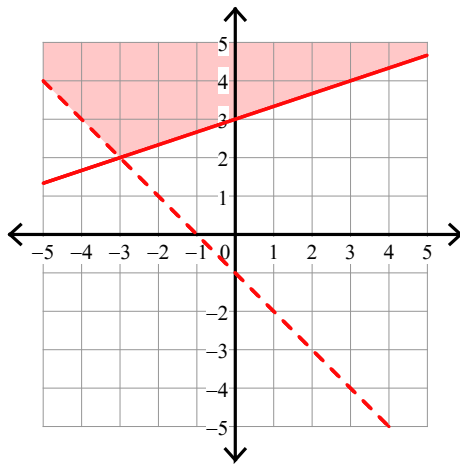
6)  $y \leq -x + 3$   
 $y > 5x - 3$



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



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



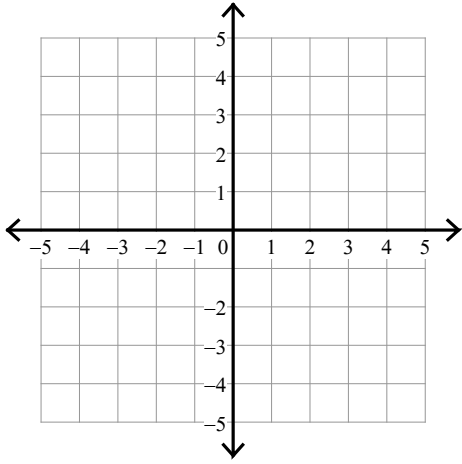


## Assignment

Sketch the solution to each system of inequalities.

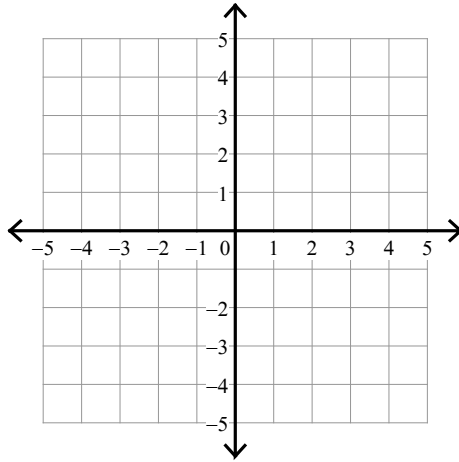
$$1) y \leq -\frac{2}{3}x - 1$$

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



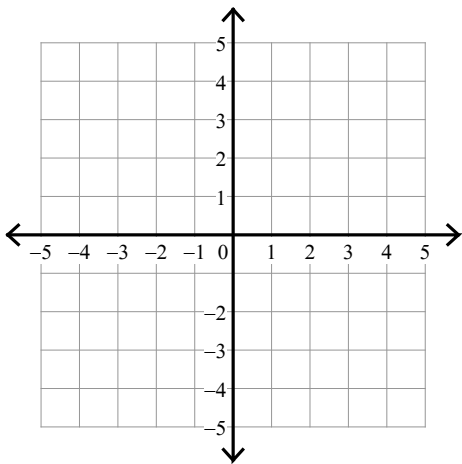
$$2) y < -\frac{5}{2}x + 3$$

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



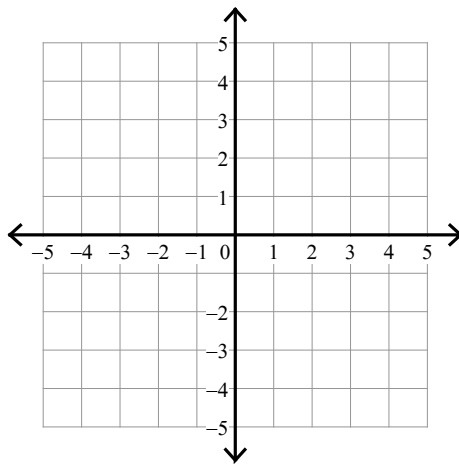
$$3) y < 2x + 2$$

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



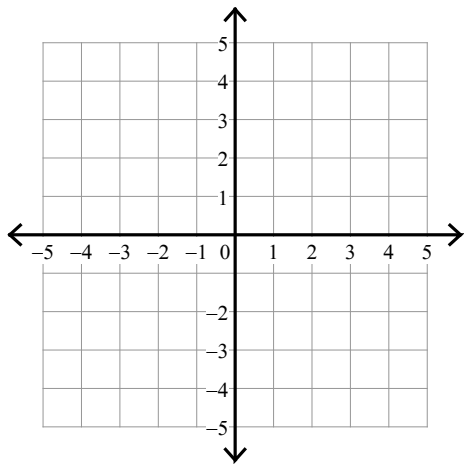
$$4) y < 2x - 3$$

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



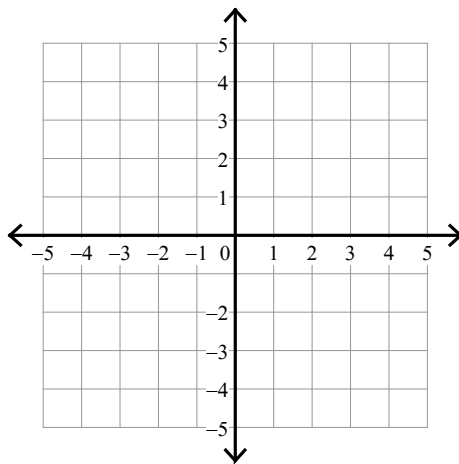
$$5) y \leq \frac{1}{3}x + 2$$

$$y \leq -x - 2$$



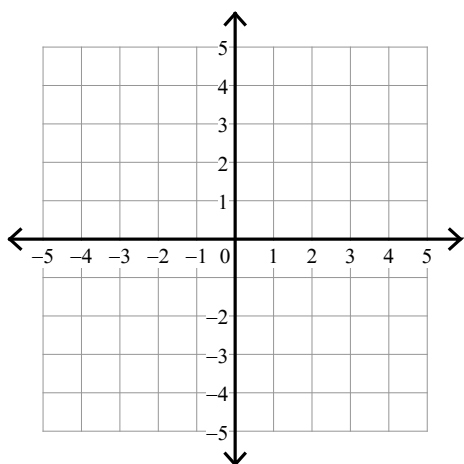
$$6) y \leq -\frac{1}{2}x + 1$$

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



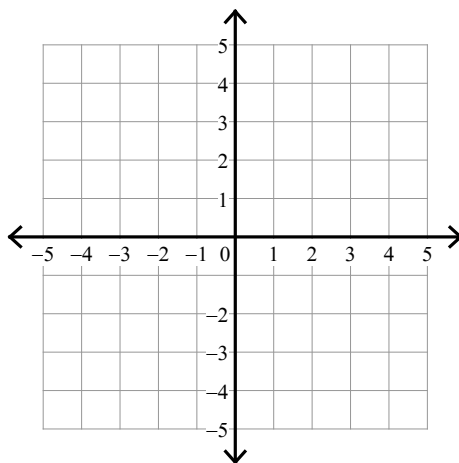
$$7) y \leq \frac{5}{2}x - 3$$

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



$$8) y \geq 5x + 3$$

$$y \geq x - 1$$



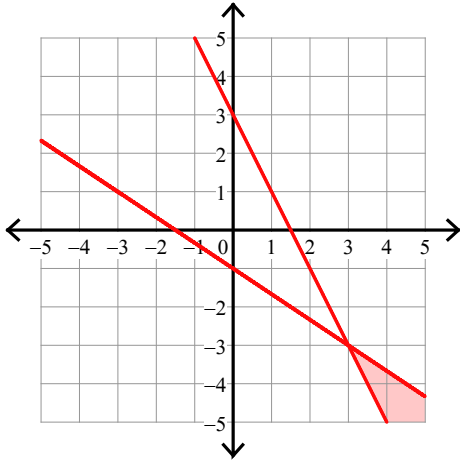
## Assignment

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

Sketch the solution to each system of inequalities.

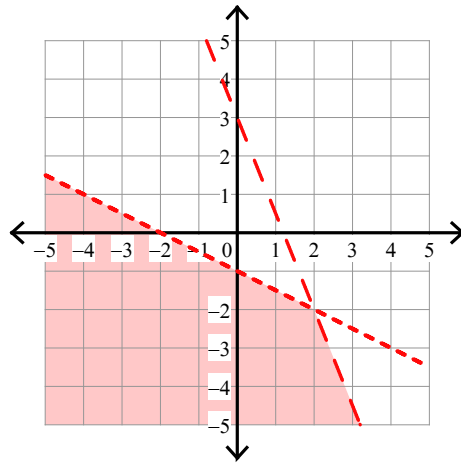
1)  $y \leq -\frac{2}{3}x - 1$

$y \geq -2x + 3$



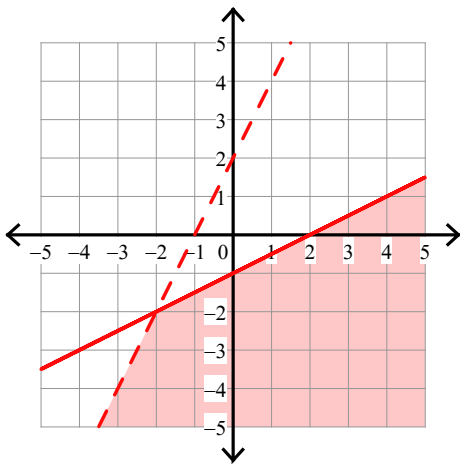
2)  $y < -\frac{5}{2}x + 3$

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



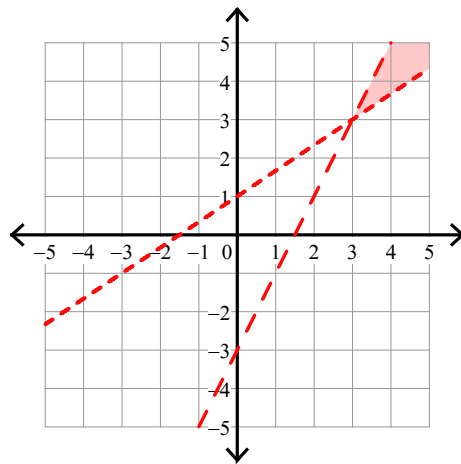
3)  $y < 2x + 2$

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



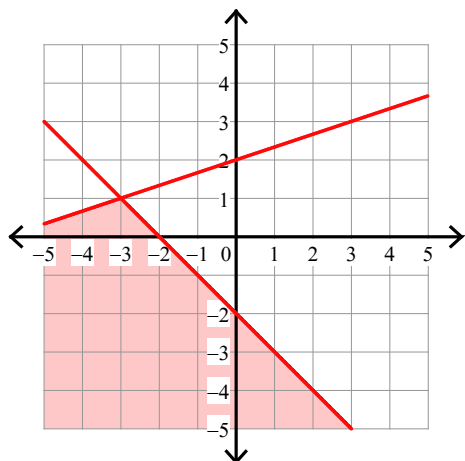
4)  $y < 2x - 3$

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



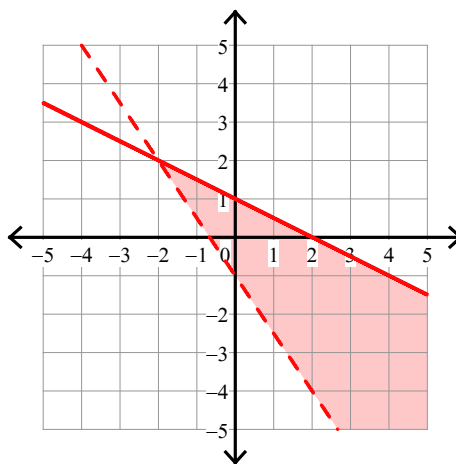
$$5) y \leq \frac{1}{3}x + 2$$

$$y \leq -x - 2$$



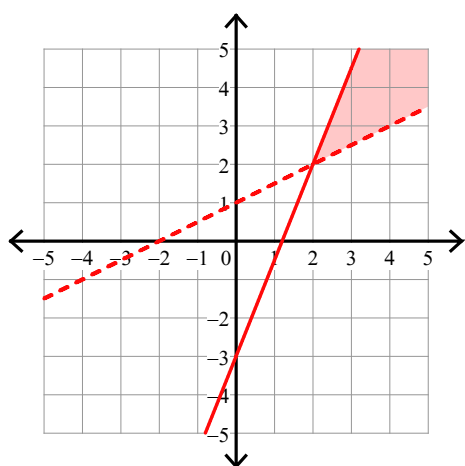
$$6) y \leq -\frac{1}{2}x + 1$$

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



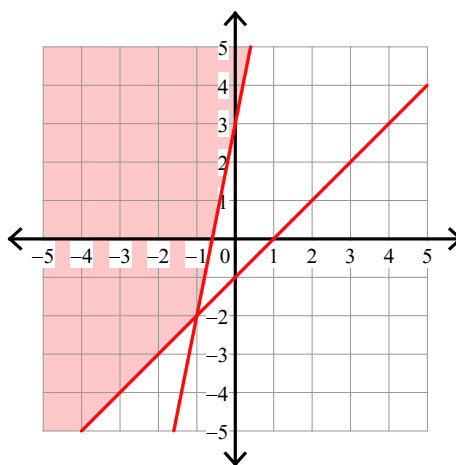
$$7) y \leq \frac{5}{2}x - 3$$

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



$$8) y \geq 5x + 3$$

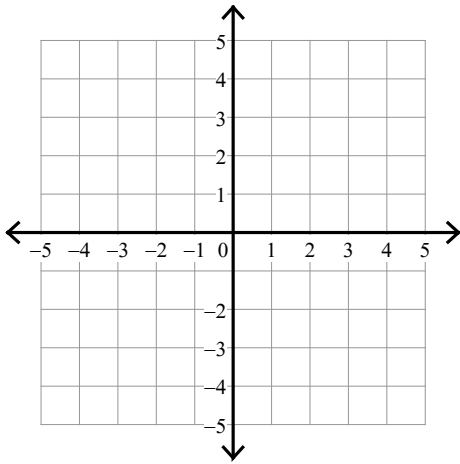
$$y \geq x - 1$$



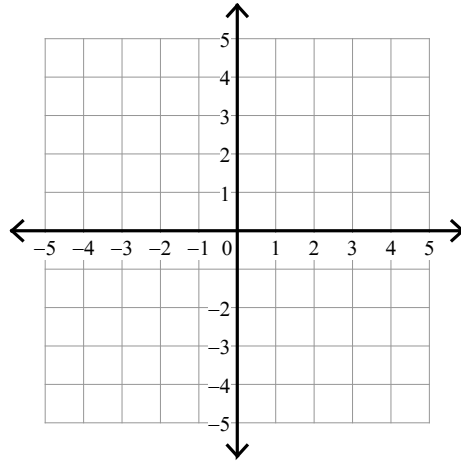
## Assignment

Sketch the solution to each system of inequalities.

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

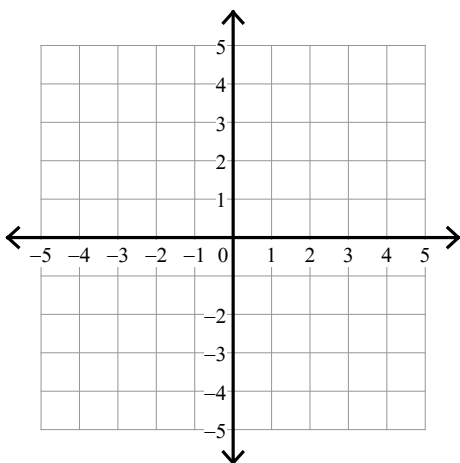


2)  $y \leq -\frac{4}{3}x + 1$   
 $y > -\frac{1}{3}x - 2$

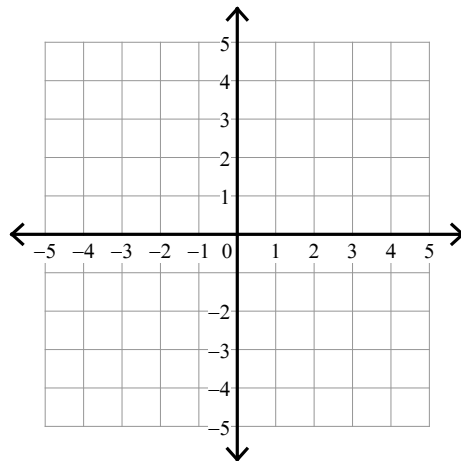


3)  $y \geq \frac{2}{3}x + 3$

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

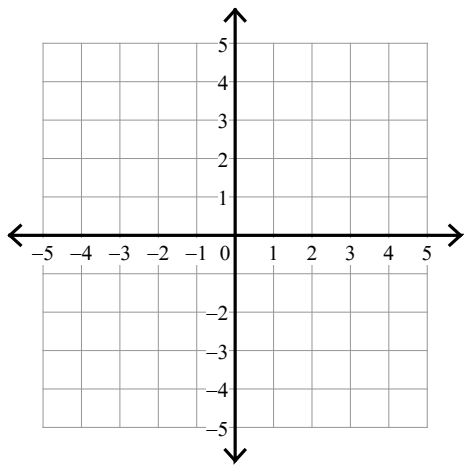


4)  $y \geq 3$   
 $y \leq x + 2$



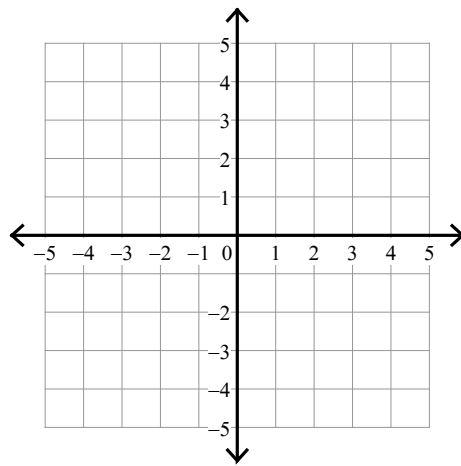
$$5) y \leq -\frac{1}{2}x + 3$$

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



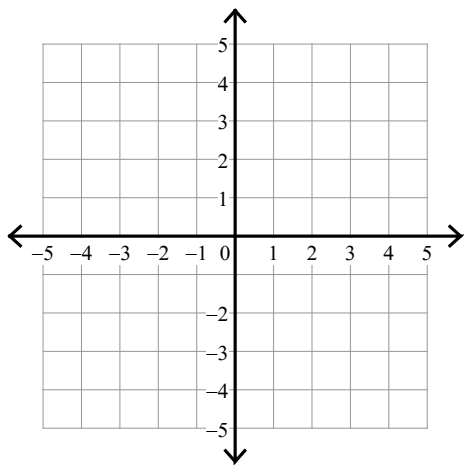
$$6) y \leq \frac{1}{2}x + 3$$

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



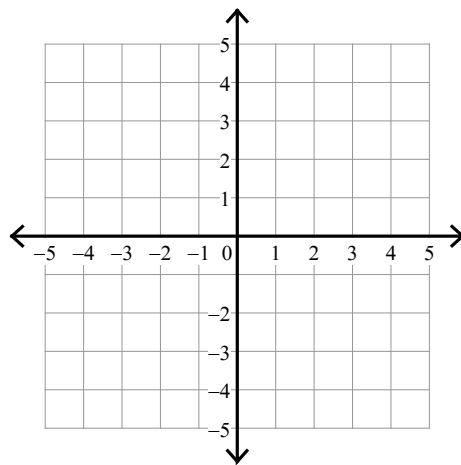
$$7) y < -\frac{5}{2}x + 3$$

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



$$8) y \geq \frac{1}{3}x - 2$$

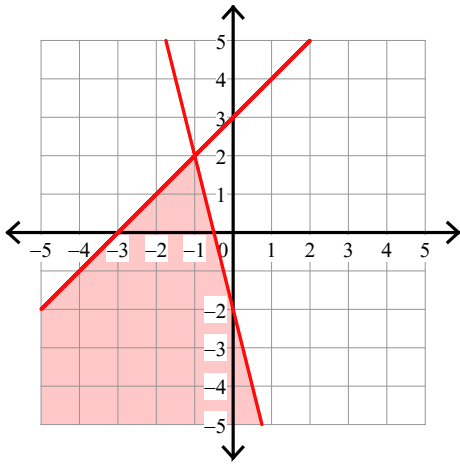
$$y < \frac{5}{3}x + 2$$



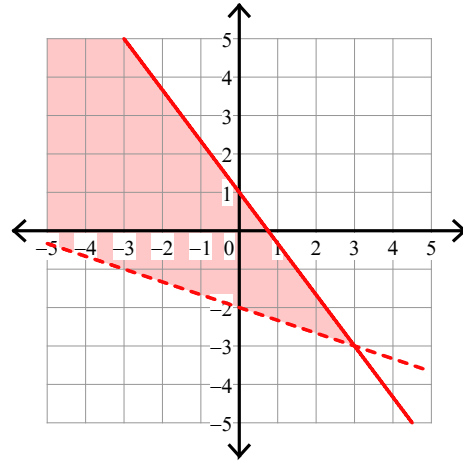
## Assignment

Sketch the solution to each system of inequalities.

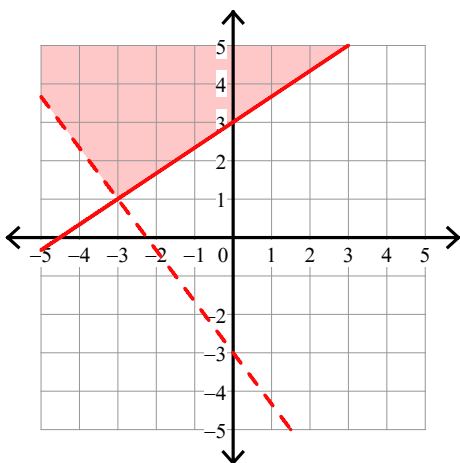
1)  $y \leq -4x - 2$   
 $y \leq x + 3$



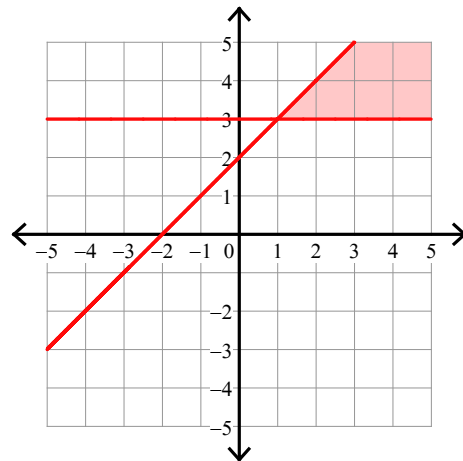
2)  $y \leq -\frac{4}{3}x + 1$   
 $y > -\frac{1}{3}x - 2$



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

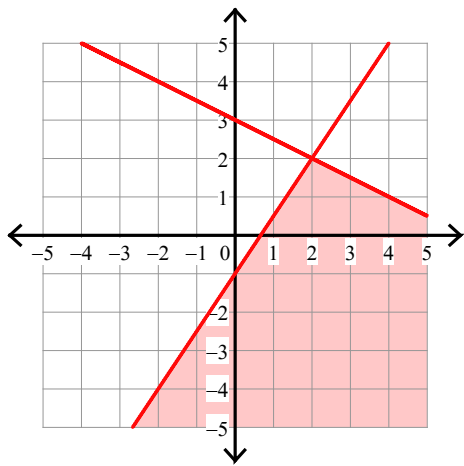


4)  $y \geq 3$   
 $y \leq x + 2$



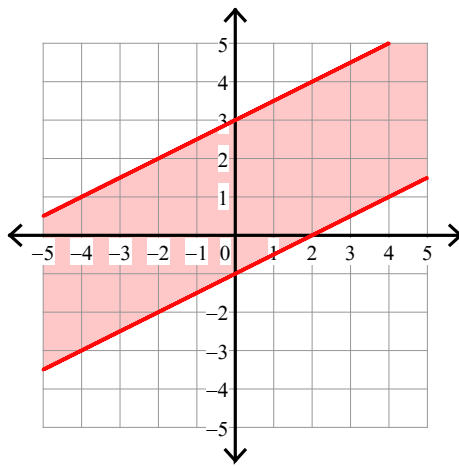
$$5) y \leq -\frac{1}{2}x + 3$$

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



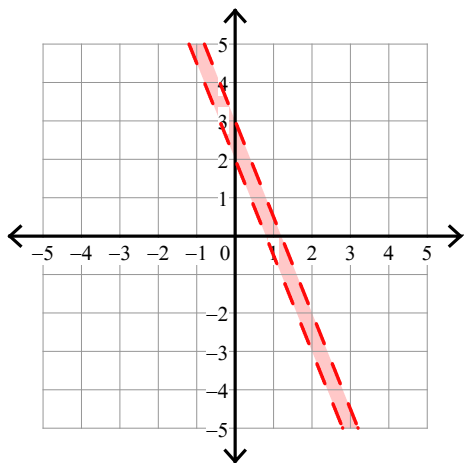
$$6) y \leq \frac{1}{2}x + 3$$

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



$$7) y < -\frac{5}{2}x + 3$$

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



$$8) y \geq \frac{1}{3}x - 2$$

$$y < \frac{5}{3}x + 2$$

