

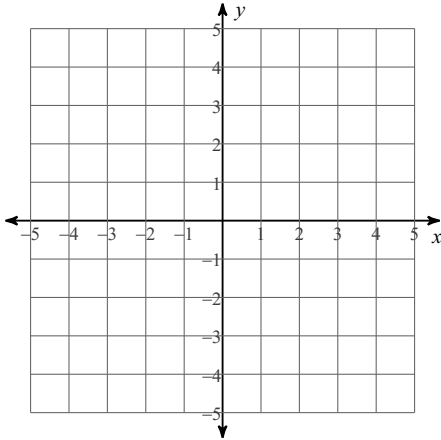
## Graphing systems of Linear Inequalities

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

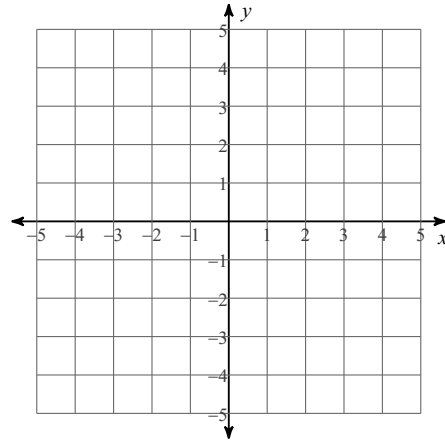
Sketch the solution to each system of inequalities.

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

$y \leq -x + 1$

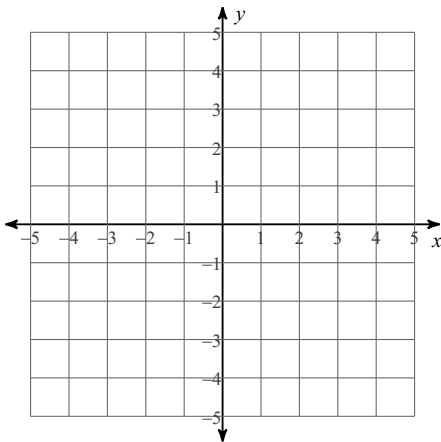


2)  $y \leq x + 2$   
 $y \leq -3x - 2$

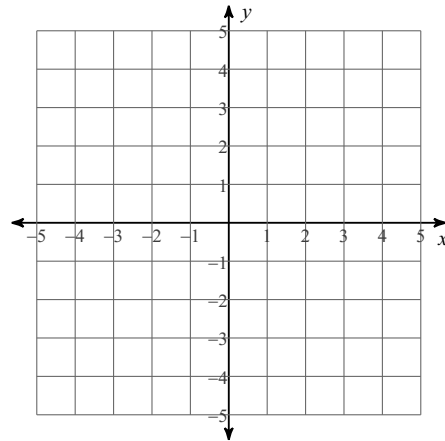


3)  $y < \frac{4}{3}x + 3$

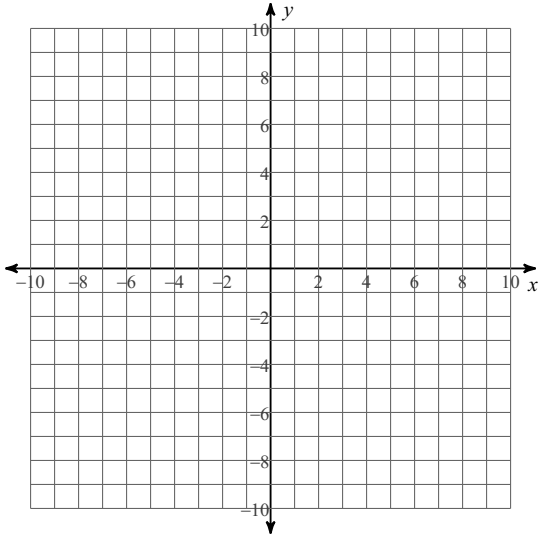
$y \geq -\frac{1}{3}x - 2$



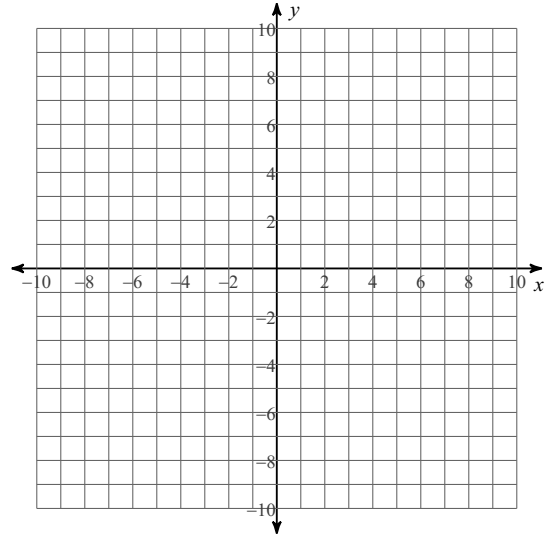
4)  $y \geq -3x + 1$   
 $y < x - 3$



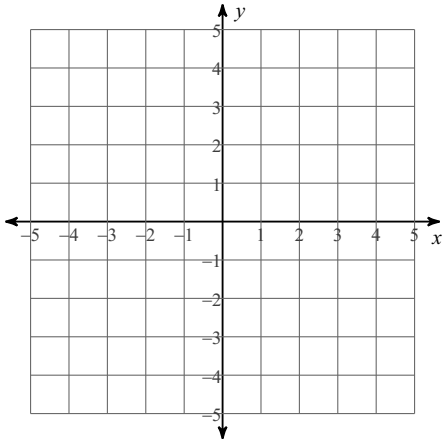
5)  $x \geq -8$   
 $7x - 8y > 8$



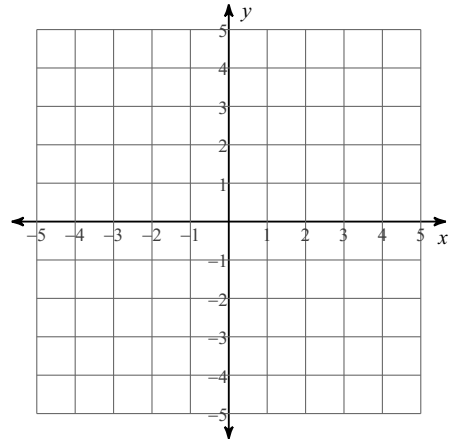
6)  $x - y > -7$   
 $x + 5y \geq 5$



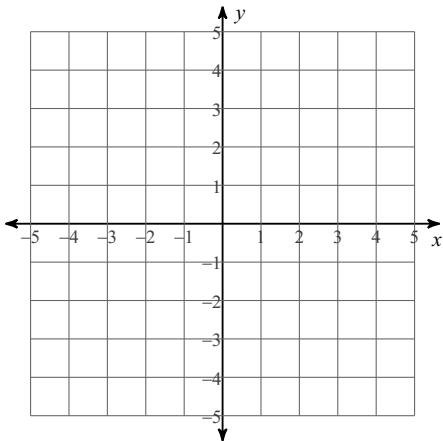
7)  $y \geq -3$   
 $y \leq 5x + 2$



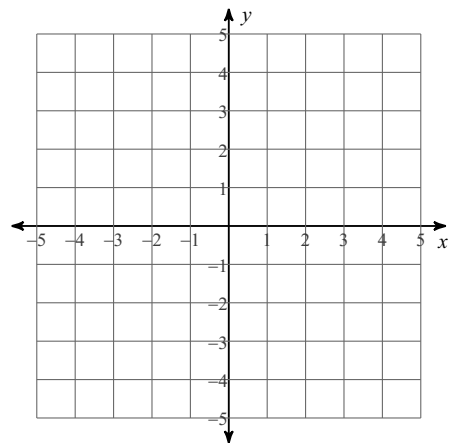
8)  $y \geq x + 2$   
 $y < 4x - 1$



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



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

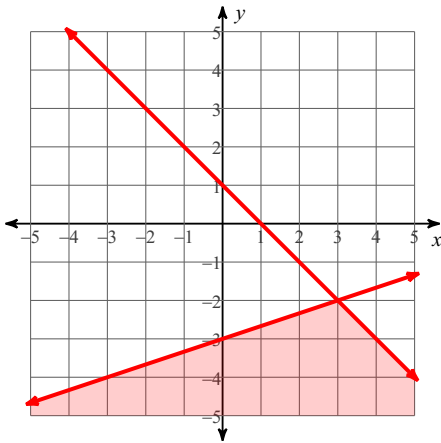


# Graphing systems of Linear Inequalities

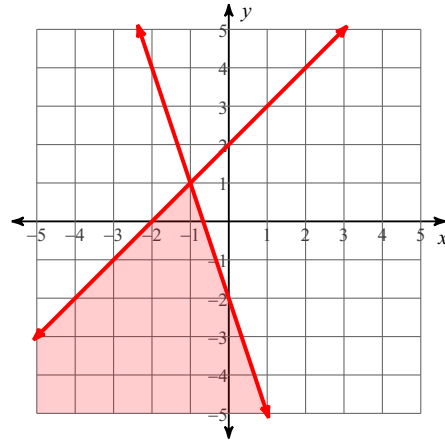
Sketch the solution to each system of inequalities.

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

$y \leq -x + 1$

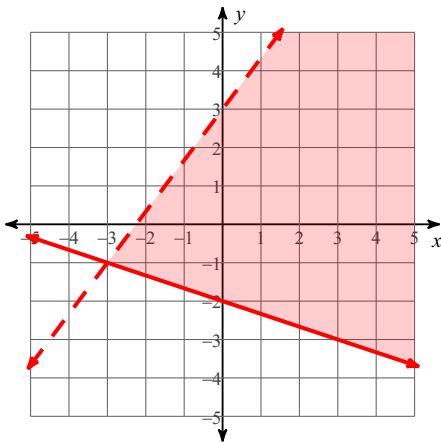


2)  $y \leq x + 2$   
 $y \leq -3x - 2$

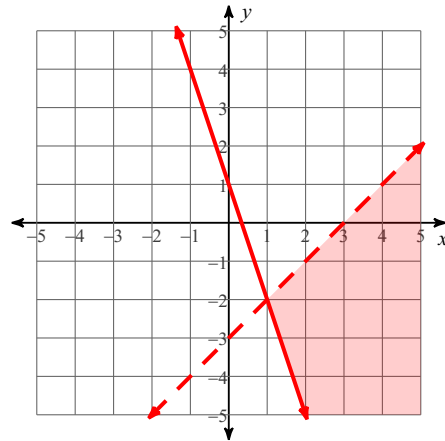


3)  $y < \frac{4}{3}x + 3$

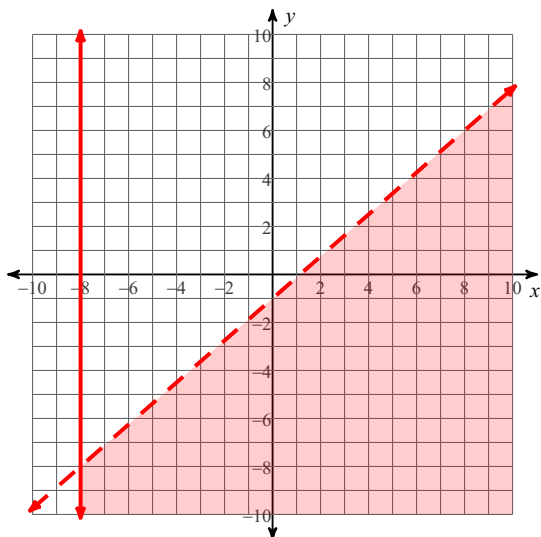
$y \geq -\frac{1}{3}x - 2$



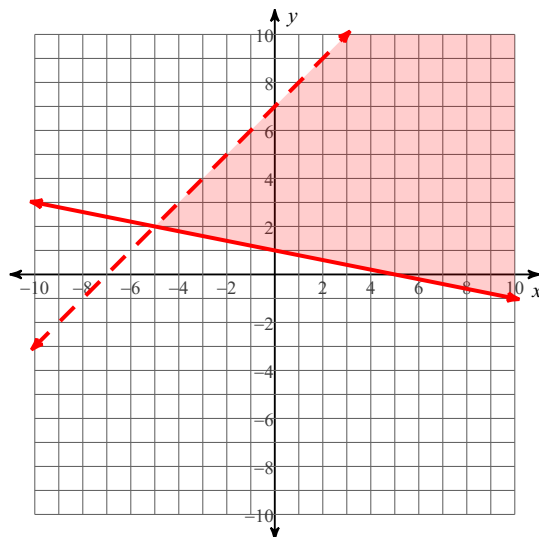
4)  $y \geq -3x + 1$   
 $y < x - 3$



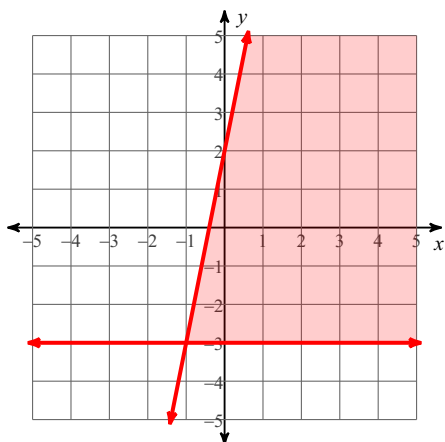
5)  $x \geq -8$   
 $7x - 8y > 8$



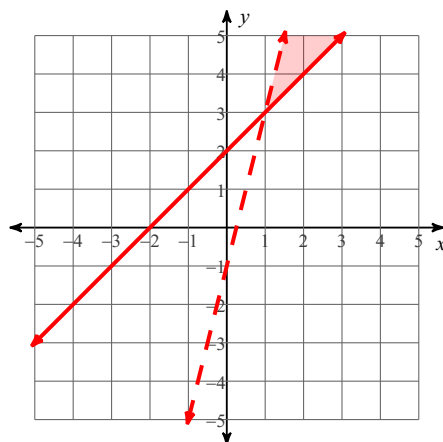
6)  $x - y > -7$   
 $x + 5y \geq 5$



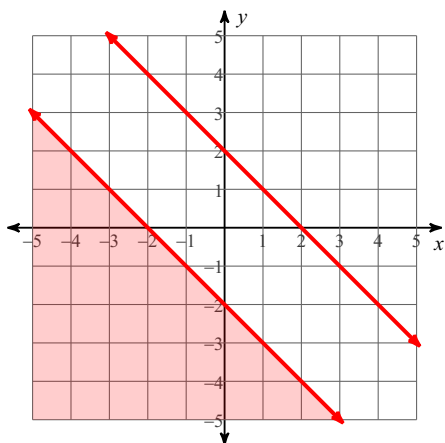
7)  $y \geq -3$   
 $y \leq 5x + 2$



8)  $y \geq x + 2$   
 $y < 4x - 1$



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



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

