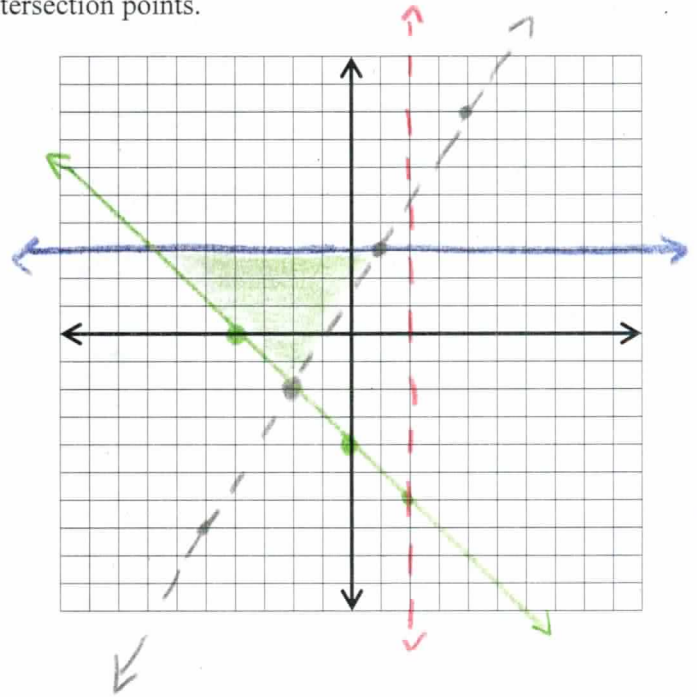


Sketch the graph of the system of inequalities. Include the intersection points.

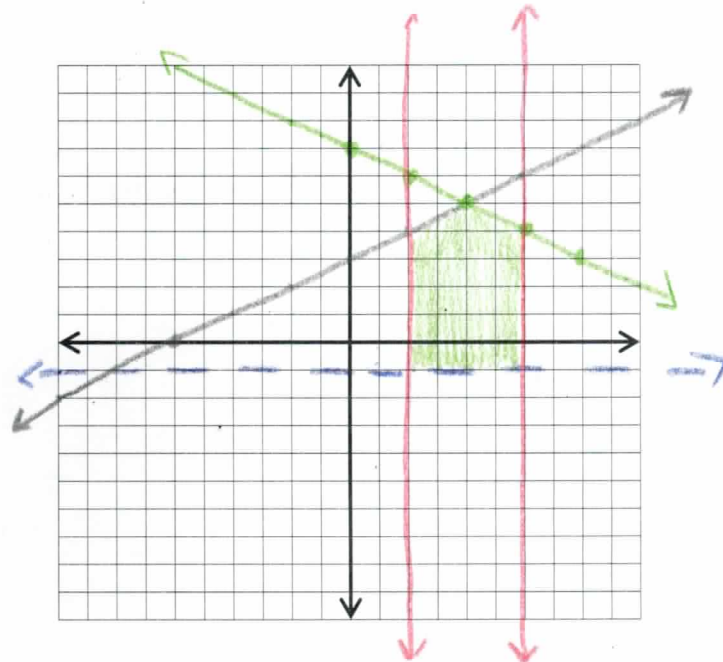
- $5x - 3y < -4$
- $x < 2$
- $y \leq 3$
- $x + y \geq -4$

$(-2, -2)$   
 $(1, 3)$   
 $(-7, 3)$



- $2 \leq x \leq 6$
- $y > -1$
- $x - 2y \geq -6$
- $y - 5 \leq -\frac{1}{2}(x - 4)$

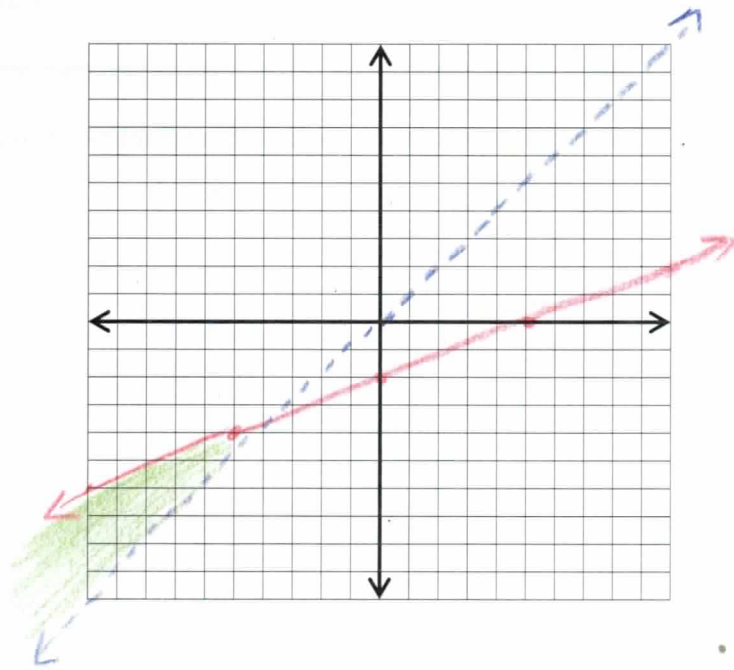
$(2, -1)$   
 $(6, -1)$   
 $(2, 4)$   
 $(6, 4)$   
 $(4, 5)$



$y > x$   
 $2x - 5y \geq 10$

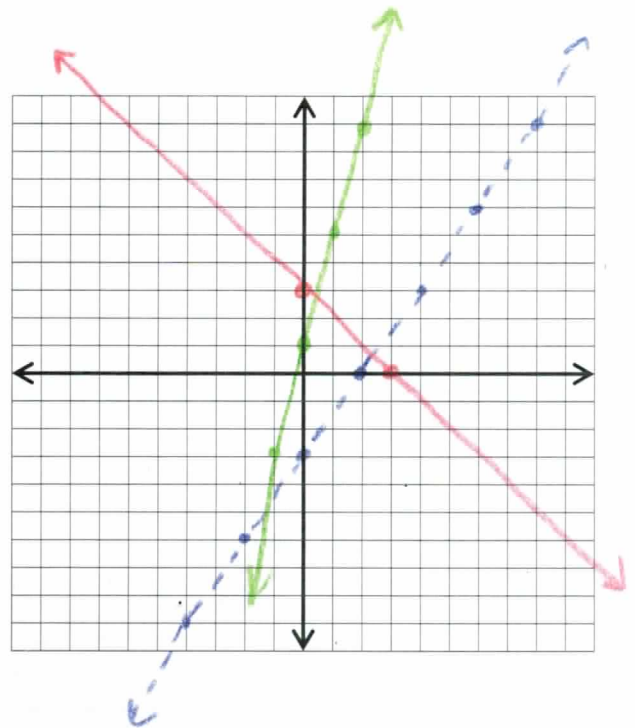
Solve  
 $y = x$   
 $2x - 5y = 10$   
 $2x - 5x = 10$   
 $-3x = 10$   
 $x = -\frac{10}{3}$   
 $y = -\frac{10}{3}$

$(-\frac{10}{3}, -\frac{10}{3})$



$x + y \geq 3$   
 $3x - 2y > 6$   
 $y \geq 4x + 1$

No Solution



**Learning Target:**

I can sketch the solution set to a system of inequalities.

Need Help  
1 2

Getting There  
3 4

I'm Ready  
5 6