

(3,4); y < 4x-2

$$(-3,2);$$
 $7x + 9y > -3$ 
 $7(-3) + 9(2) > -3$ 
 $-21 + 18 > -3$ 

false

(2,2);  $y \leq 4x-6$ 

$$(-4,4)$$

$$4x + 5y \ge -6 \qquad -2x + 7y \ge 20$$

$$4(-4) + 5(4) \ge -6 \qquad -2(-4) + 7(4) \ge 20$$

$$8 + 28 \ge 20$$

$$-(6 + 20 \ge -6) \qquad 36 \ge 20$$

$$\sqrt{2} = 6$$

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$$\sqrt{3} = 6$$

$$\frac{3,5}{3,5}$$

$$7x-9y<5 -2x+4y>5
7(3)-9(5)<5 -2(3)+4(5)>5
-6+20>5
-14>5$$

Solution

-24 < 5 V

9x + 2y < -1

$$8(5)-3(-5) < 4$$
 $40+15 < 4$ 
 $55 < 4$ 
 $No Solution$ 

8x-3y <4

$$\frac{7y}{7} \le \frac{-21-4x}{7}$$
 $y \le -3 - \frac{4}{7}x$ 
 $y \le -\frac{4}{7}x - 3$ 
 $-\frac{4}{7}x + 6y > 12$ 

 $\frac{6y > 12 + 5x}{6}$ 

 $\gamma > \frac{5}{6} \times + 2$ 

 $4x + 7y \leq -21$   $-4x \qquad -4x$ 

$$\frac{-4y}{-4} < \frac{12x + 5}{-4}$$

$$y > -3x - \frac{5}{4}$$

$$-3x - 4y \le 2$$

$$+3x + 3x$$

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

 $\gamma \geq -\frac{3}{4}\chi - \frac{1}{2}$ 

-12x - 4y < 5+12x + 12x

$$\frac{8y}{8} > \frac{x-24}{8}$$

$$\frac{1}{8} > \frac{1}{8} \times -3$$

$$-5x + 4y \ge -1$$

$$+5x + 5x$$

$$4y \ge 5x - 1$$

 $Y \geq \frac{5}{4} \times - \frac{1}{4}$ 

$$\frac{3}{3} \ge \frac{9+5x}{3}$$

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

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

$$|0x + 5y| > -4$$

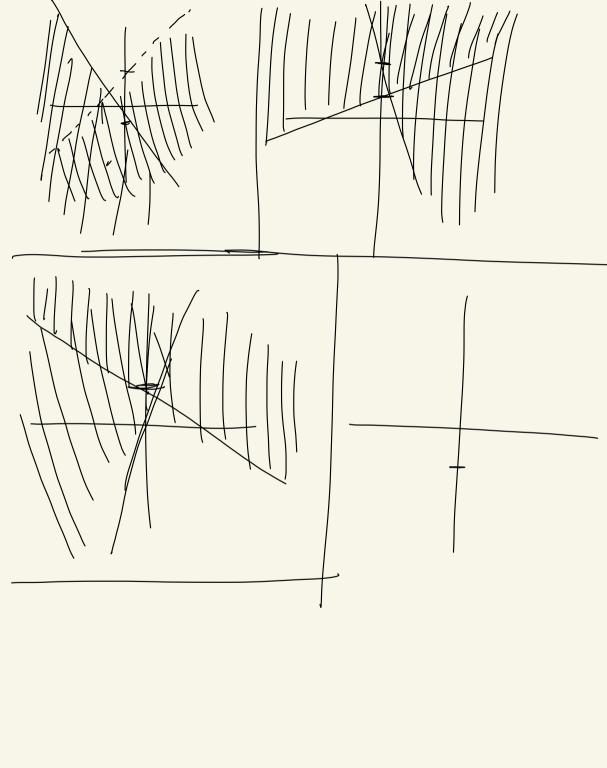
$$-|0x|$$

> -10x -4

 $-2x - \frac{4}{5}$ 

 $-51x + 3y \ge 9$ 

y = Mx + b



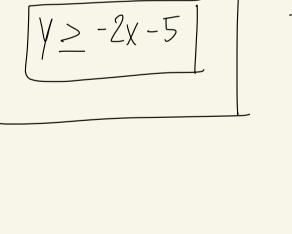
$$V = -\frac{2}{3}x + 3$$

$$V =$$

-12x - 4y < 5+12x + 12

 $\forall y < 12x + 5$ 

 $Y \leq \frac{9}{4} \chi + 2$ 



y = Mx + b

$$750(8) + 450(7) > 9000$$
 6000  
 $9150$   $9150$ 

$$5(+3Q<26)$$
  $85M+4S \leq 1000$ 

$$3S + 2M \le 25 \qquad 4S + 6M \le 37$$

$$250( + 1806 > 950)$$

$$-5x + 3y \ge 9$$

$$+5x \qquad +5x \qquad +5x$$

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

$$\frac{8y}{3} \ge \frac{5x+9}{3}$$

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

25 \le 2 x