

(17)

$$x \geq 7$$

2(17)

$$x - y \leq 2$$

$$x + y \geq -3$$

$$x + y \leq 2$$

$$x + y \geq -3$$

$$\begin{array}{c|c|c} x & 0 & 3 \\ \hline y & -2 & 0 \end{array}$$

$$\begin{array}{c|c|c} x & 0 & -3 \\ \hline y & -3 & 0 \end{array}$$

1(17)

$$2x - 3y \leq 6$$

$$2x + y \geq 3$$

$$2x - 3y = 6$$

$$2x + y = 3$$

$$\begin{array}{c|c|c} x & 0 & 3 \\ \hline y & -2 & 0 \end{array}$$

$$\begin{array}{c|c|c} x & 0 & 1 \\ \hline y & 3 & 1 \end{array}$$

3.9

1 (a)

$$y < x$$

$$y = x$$

$$\begin{array}{c|c|c} x & 1 & 2 \\ \hline y & 1 & 2 \end{array}$$

(b)

$$y > x+2$$

$$y = x+2$$

$$\begin{array}{c|c|c} x & 0 & 1 \\ \hline y & 2 & 3 \end{array}$$

(c)

$$y < -x-3$$

$$y = -x-3$$

$$\begin{array}{c|c|c} x & 0 & -1 \\ \hline y & -3 & -2 \end{array}$$

(d)

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

$$x+2y = -2$$

$$\begin{array}{c|c|c} x & -2 & 0 \\ \hline y & 0 & -1 \end{array}$$

e

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

$$-2x-5y = 10$$

$$\begin{array}{c|c|c} x & -5 & 0 \\ \hline y & 0 & -2 \end{array}$$

f

$$2x \leq -3y$$

$$2x = -3y$$

$$\begin{array}{c|c|c} x & 0 & -3 \\ \hline y & 0 & 2 \end{array}$$

g

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

$$y = \frac{1}{2}x$$

$$y = \frac{1}{2}x$$

$$\begin{array}{c|c|c} x & 0 & 2 \\ \hline y & 0 & 1 \end{array}$$

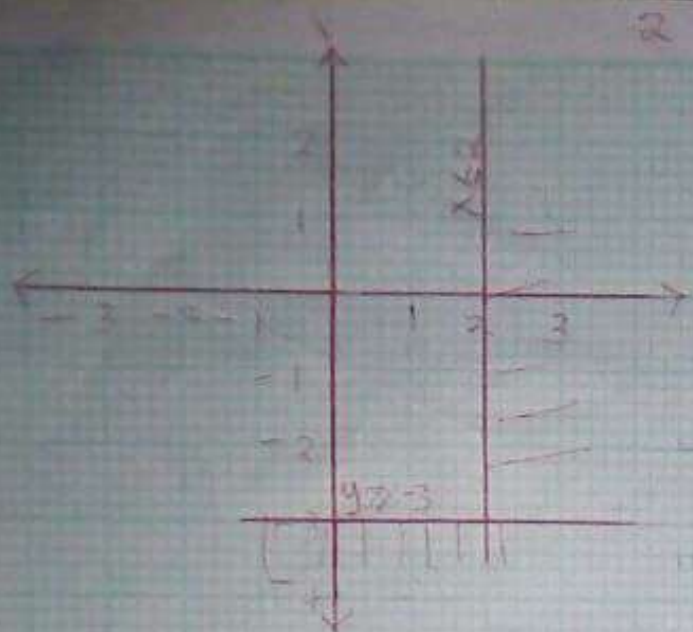
h

$$y \leq 2$$

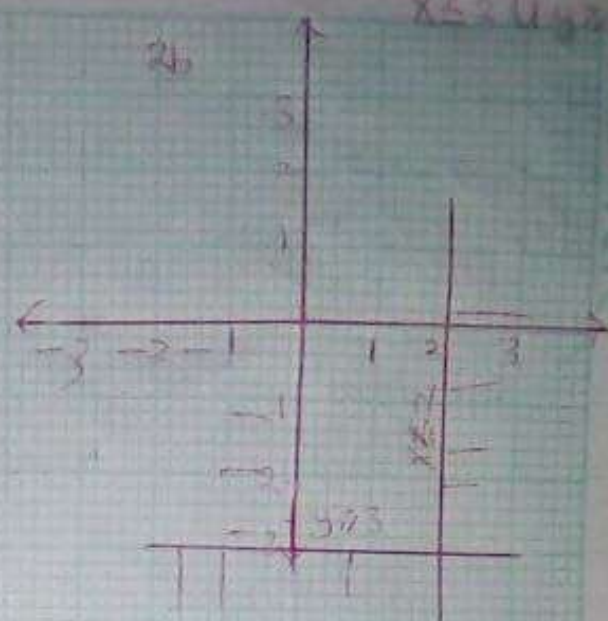
i

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

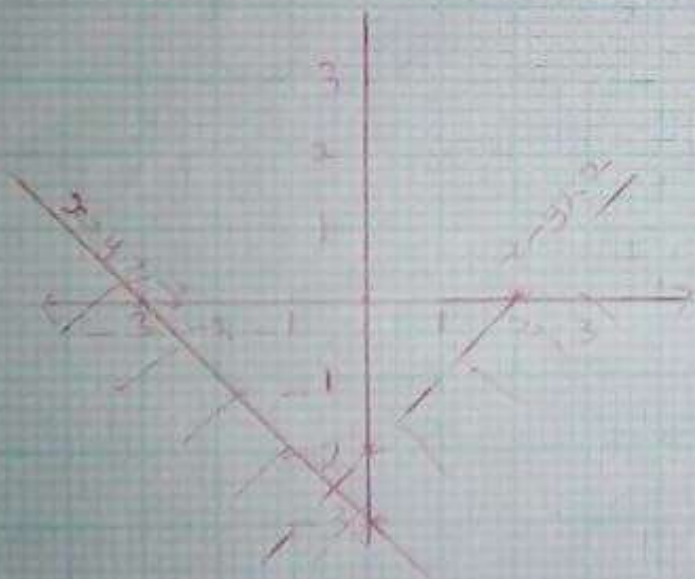
2



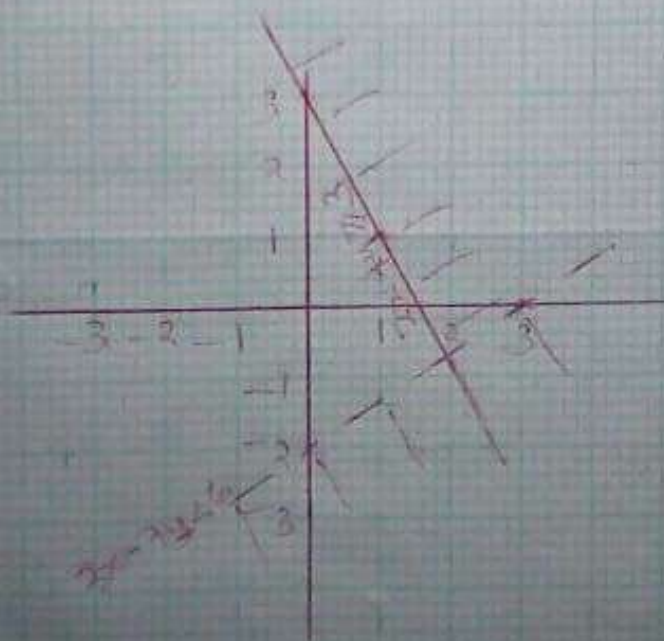
2b



2c)



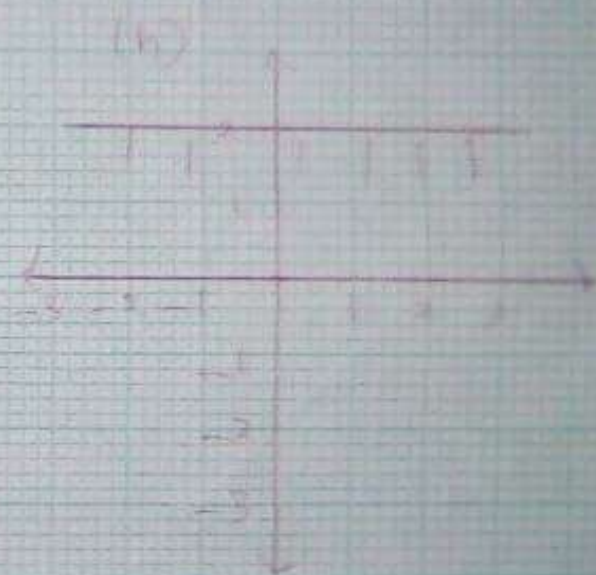
2 (1)



(1)



(2)

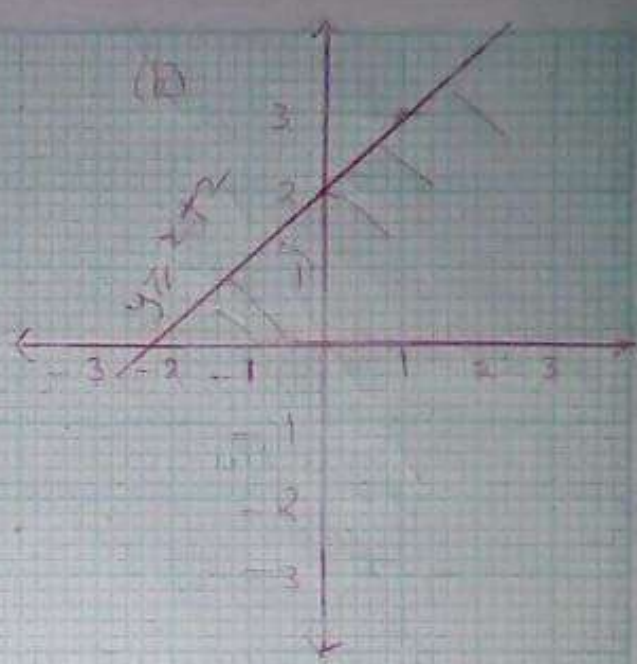
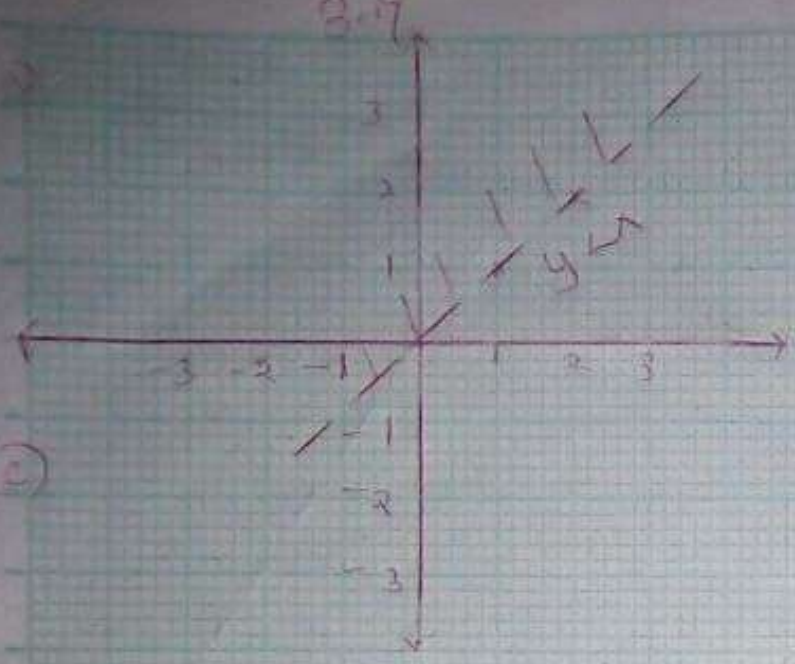


(3)

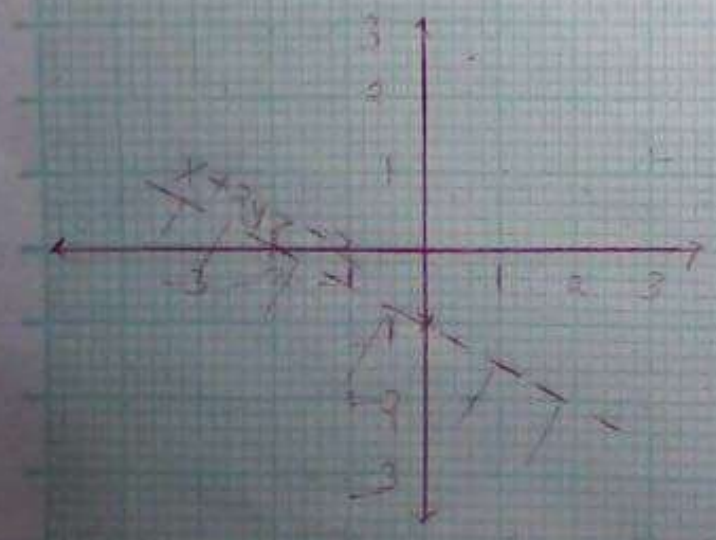
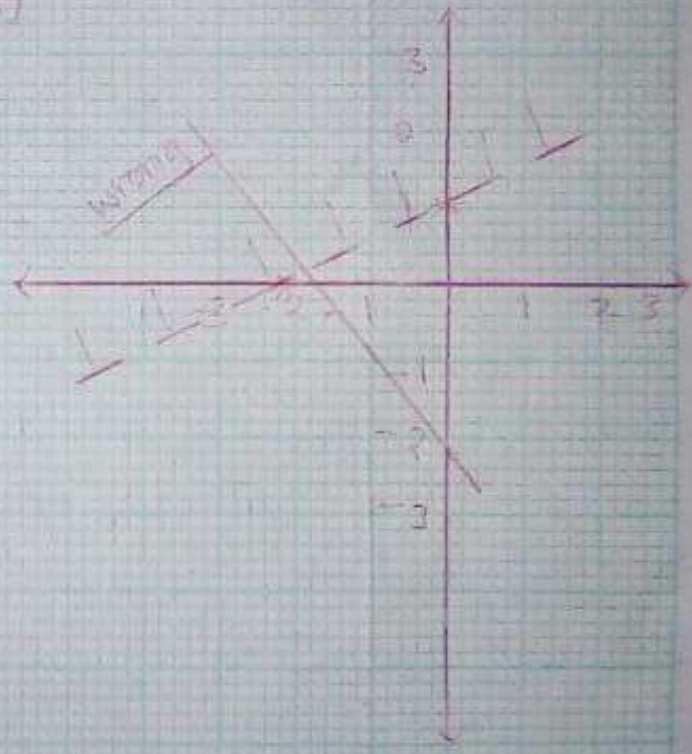
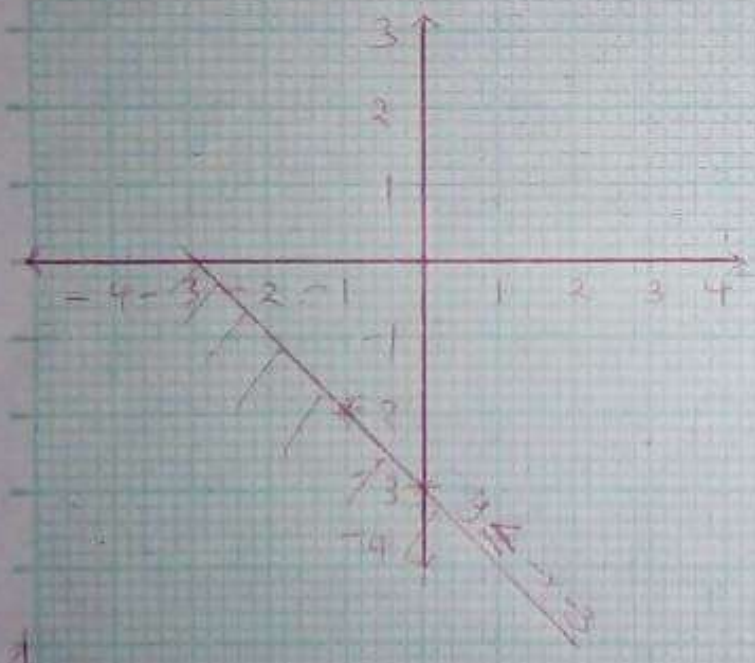


12

8.7



(H)



(E)

