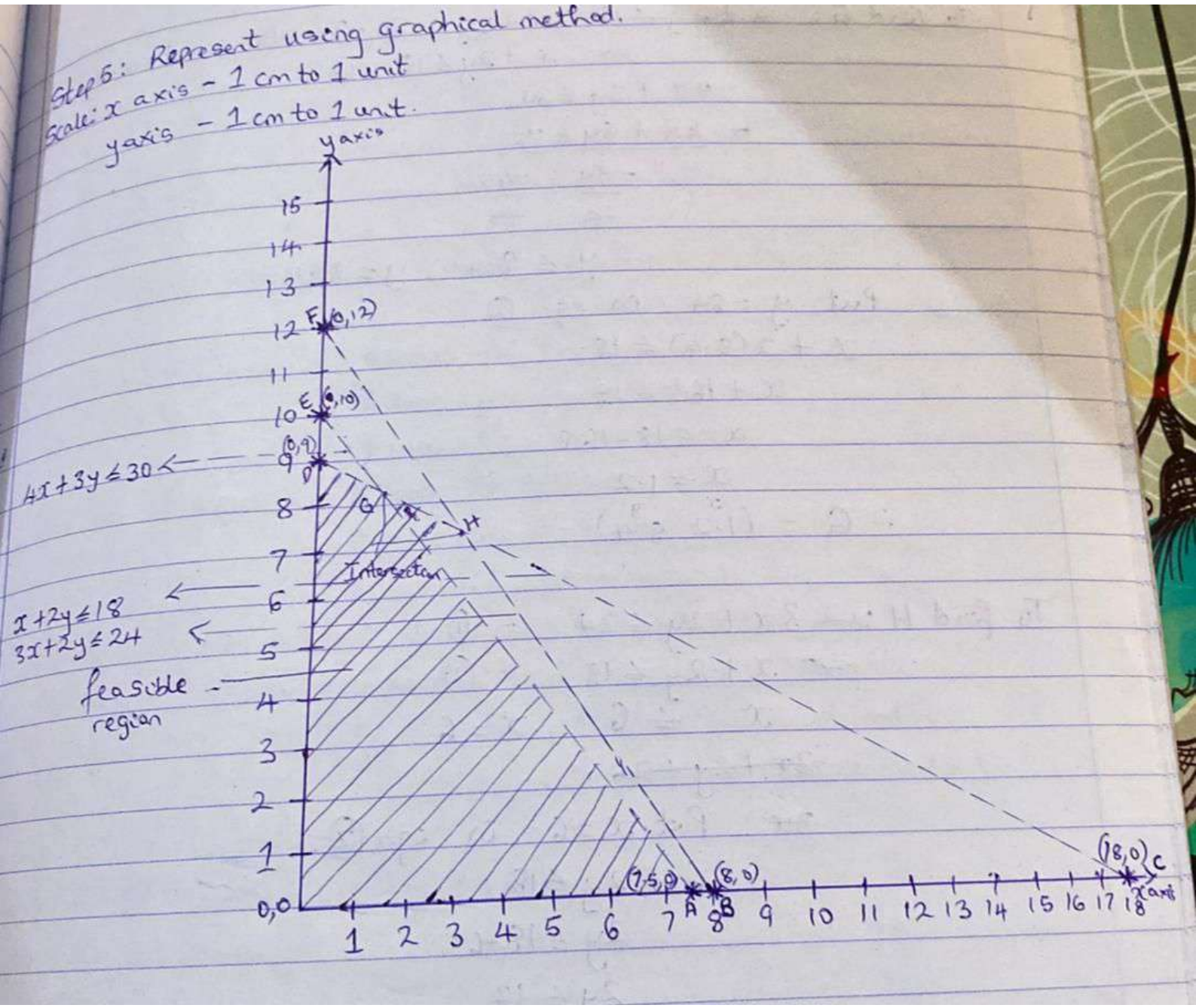
Step 5: Represent using graphical method.

Scale: x axis - 1 cm to 1 unit

y axis - 1 cm to 1 unit.



$x = 1.42$ (1.42, [illegible])

Extreme points for all:

Television: (1.25, 1.67)

Print media: (2.25, 1.8)

Social media: (3, 2)

Budget (1.42, 1.42).

Step 5: Represent using graphical method.

Scale: x axis - 1 cm to 0.25 units

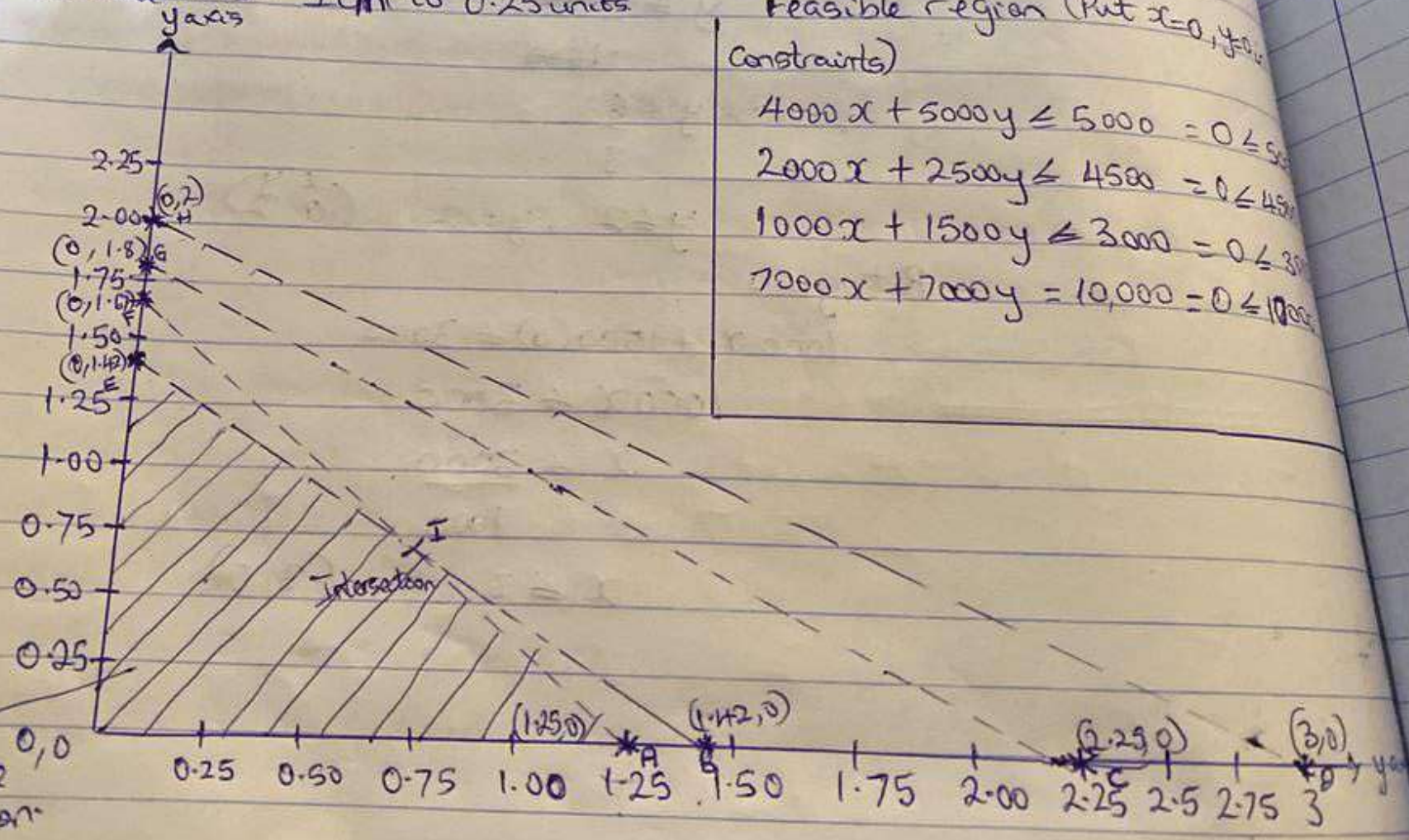
Feasible region (Put x=0, y=0 in Constraints)

$4000x + 5000y \leq 5000 \Rightarrow 0 \leq 5$

$2000x + 2500y \leq 4500 \Rightarrow 0 \leq 45$

$1000x + 1500y \leq 3000 \Rightarrow 0 \leq 3$

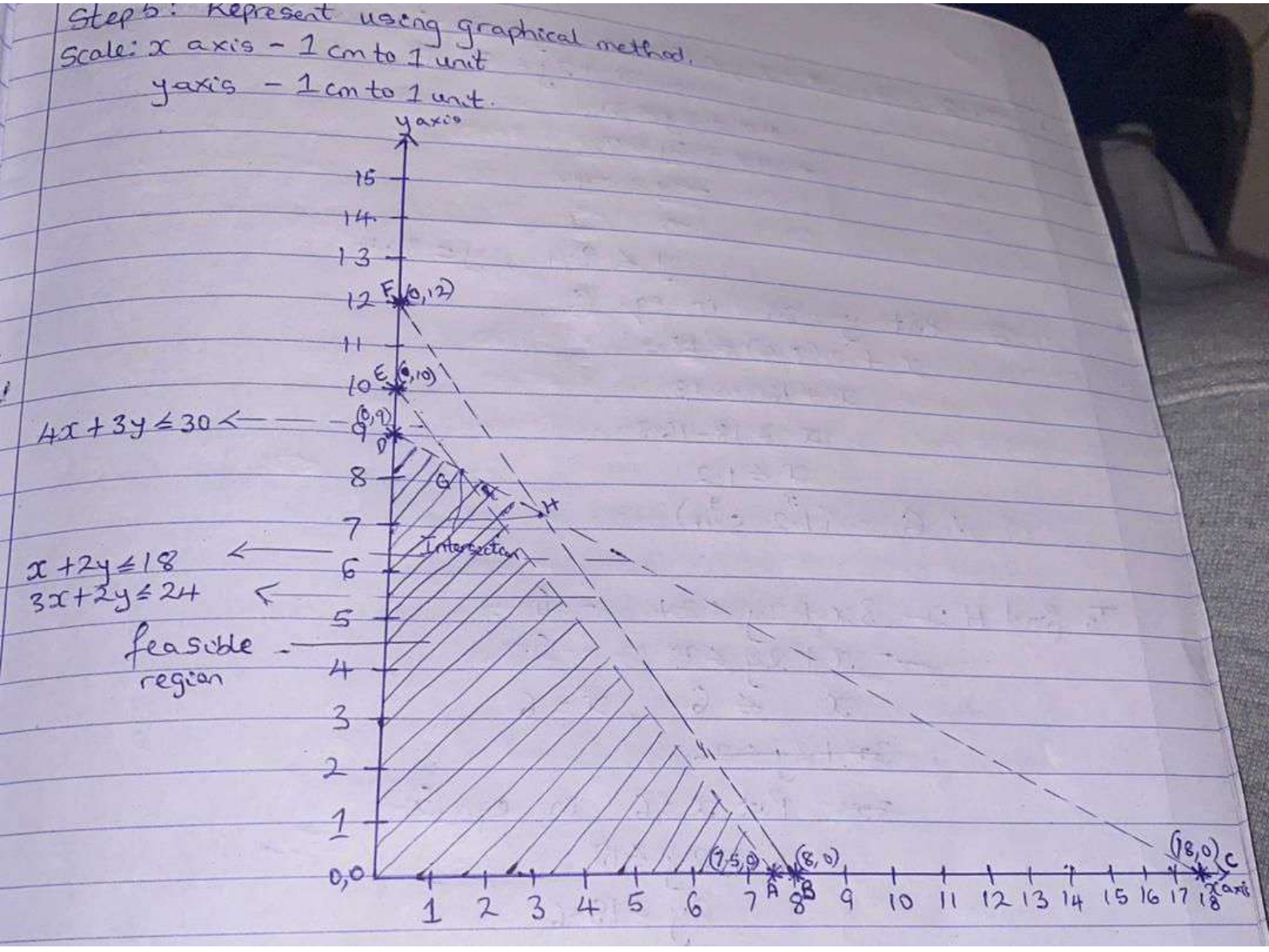
$7000x + 7000y = 10,000 \Rightarrow 0 \leq 10$



Step 5: Represent using graphical method.

Scale: x axis - 1 cm to 1 unit

y axis - 1 cm to 1 unit.



Extreme points:

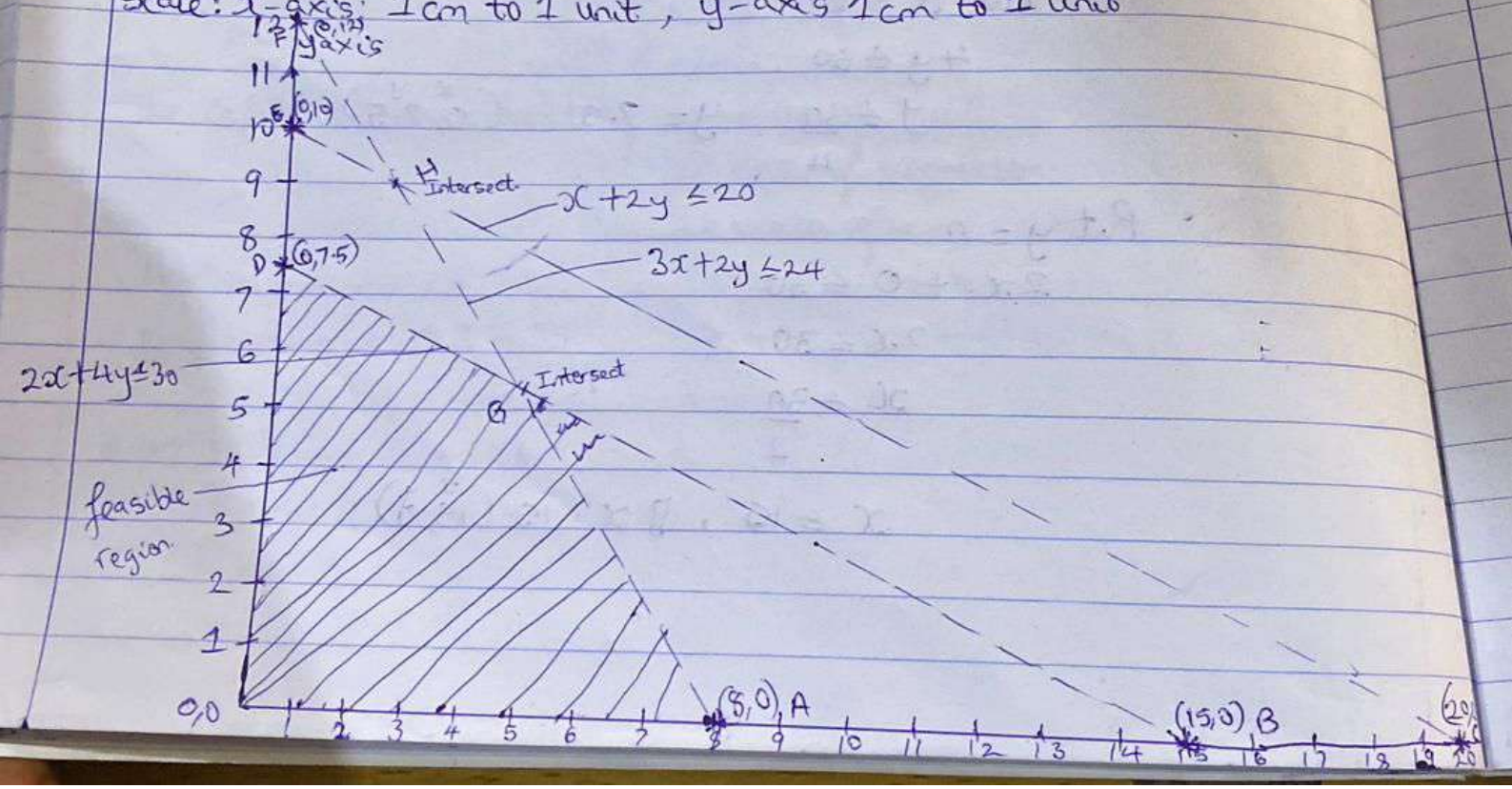
For meat : $(\overset{x}{15}, \overset{y}{7.5})$

Vegetables : $(\overset{x}{8}, \overset{y}{12})$

Rice : $(\overset{x}{20}, \overset{y}{10})$

Step5: Represent using graphical method.

Scale: x-axis: 1 cm to 1 unit, y-axis 1 cm to 1 unit



Step 5: Represent using graphical method.

Scale: x axis - 1 cm to 0.25 units

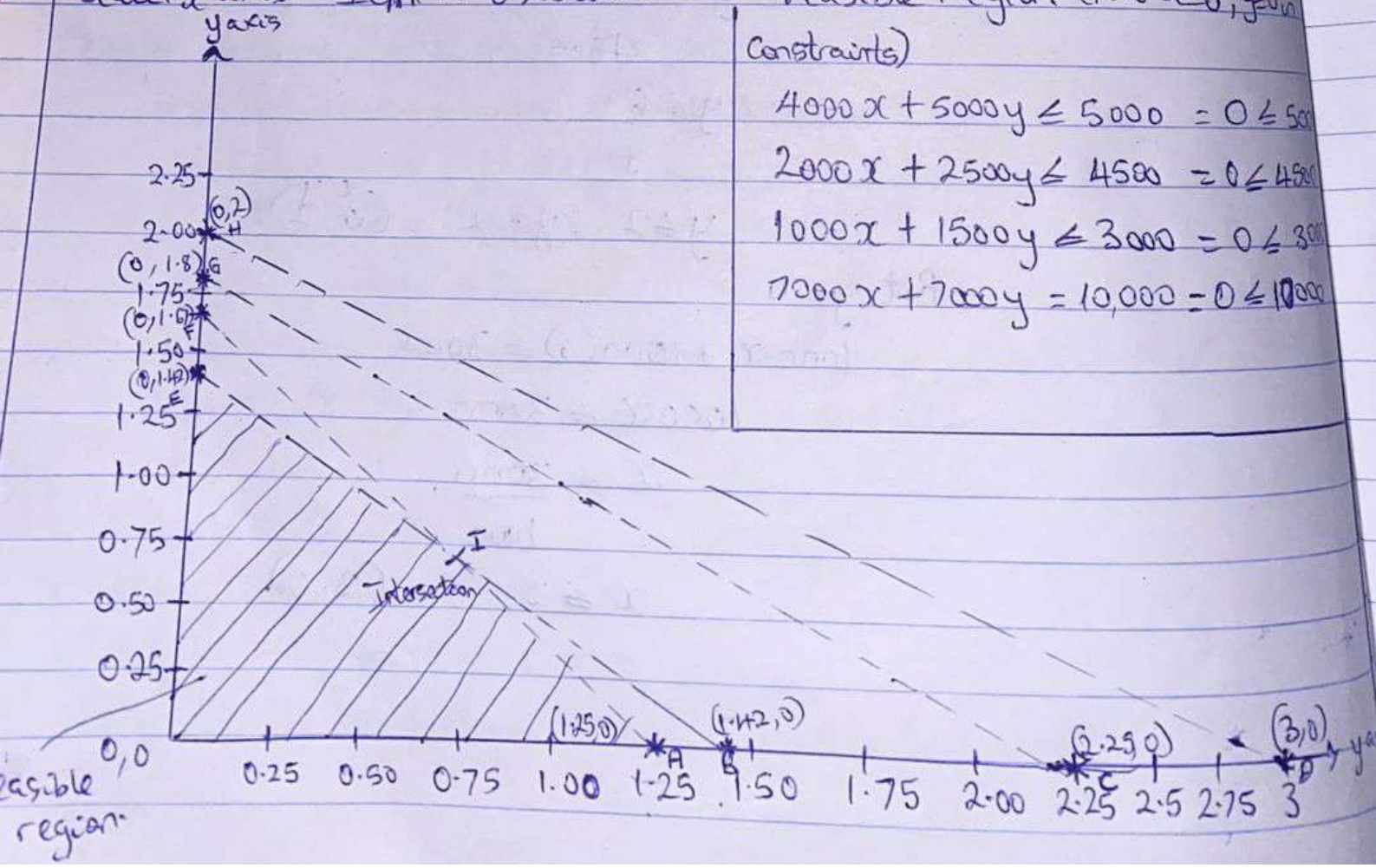
Feasible region (Put x=0, y=0 in constraints)

$4000x + 5000y \leq 5000 \Rightarrow 0 \leq 5000$

$2000x + 2500y \leq 4500 \Rightarrow 0 \leq 4500$

$1000x + 1500y \leq 3000 \Rightarrow 0 \leq 3000$

$7000x + 7000y = 10,000 \Rightarrow 0 \leq 10000$



Step 5: Represent using graphical method.

Scale: x axis - 1cm to 0.25 units

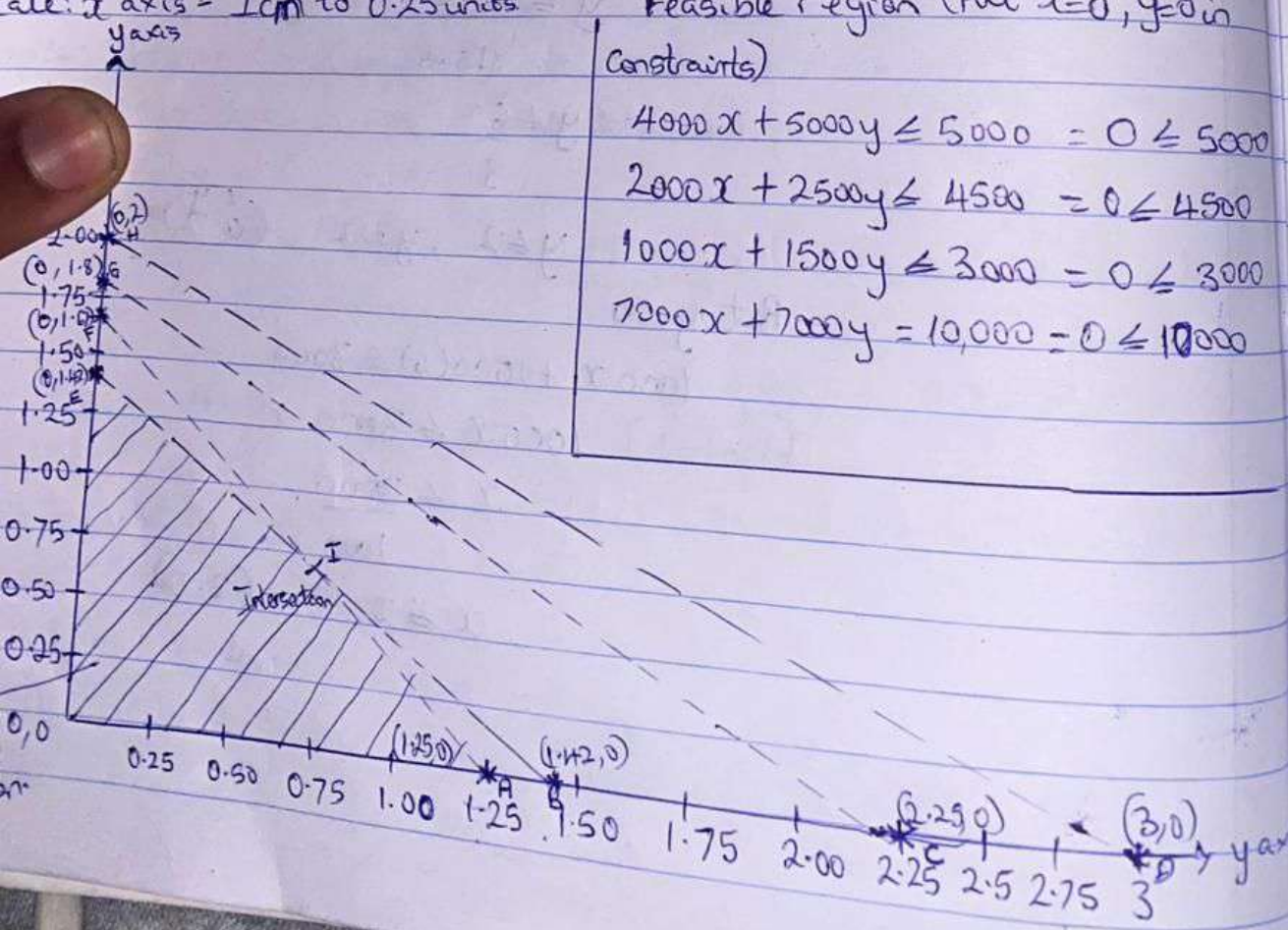
Feasible region (Put x=0, y=0 in constraints)

$4000x + 5000y \leq 5000 \quad = 0 \leq 5000$

$2000x + 2500y \leq 4500 \quad = 0 \leq 4500$

$1000x + 1500y \leq 3000 \quad = 0 \leq 3000$

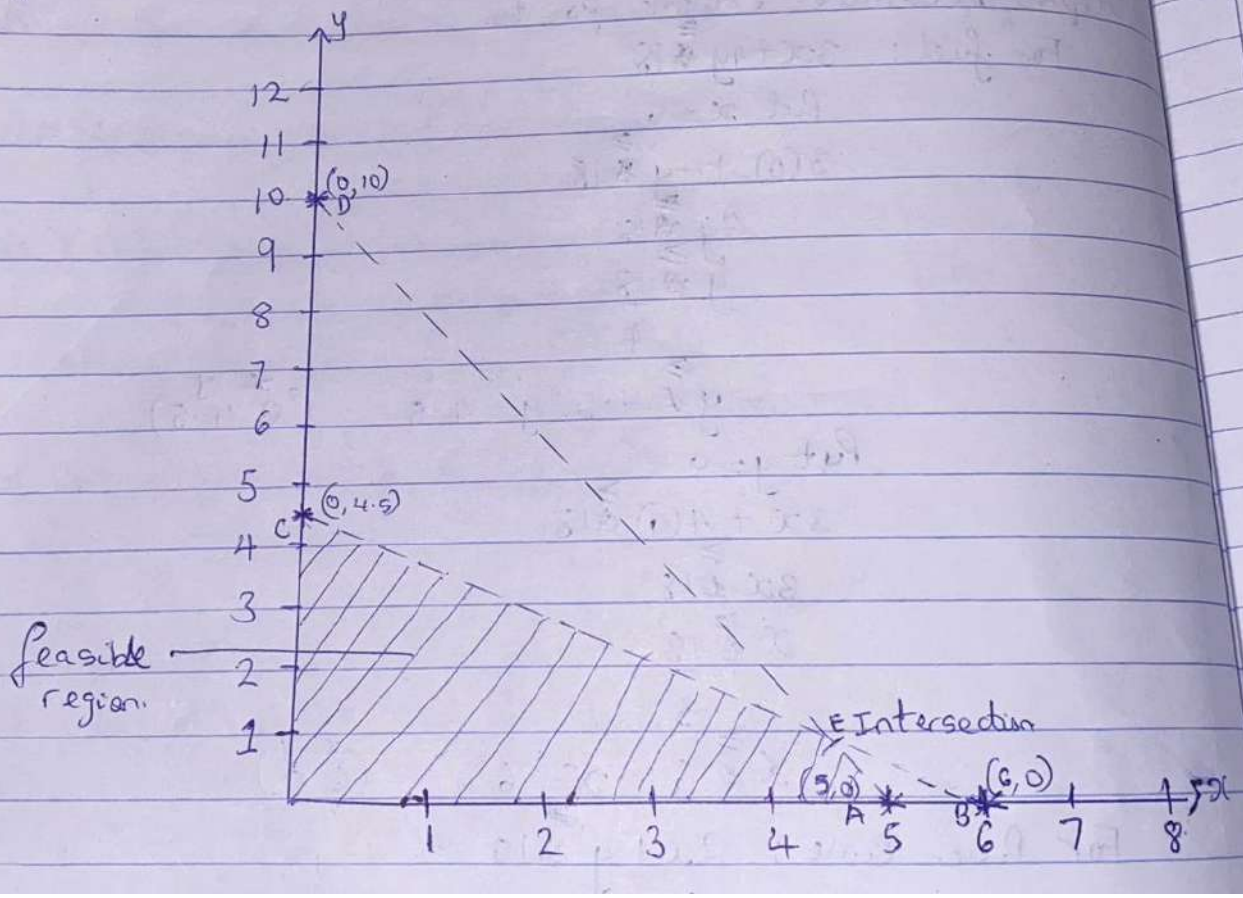
$7000x + 7000y = 10,000 \quad = 0 \leq 10000$



Step 5: Draw graph.

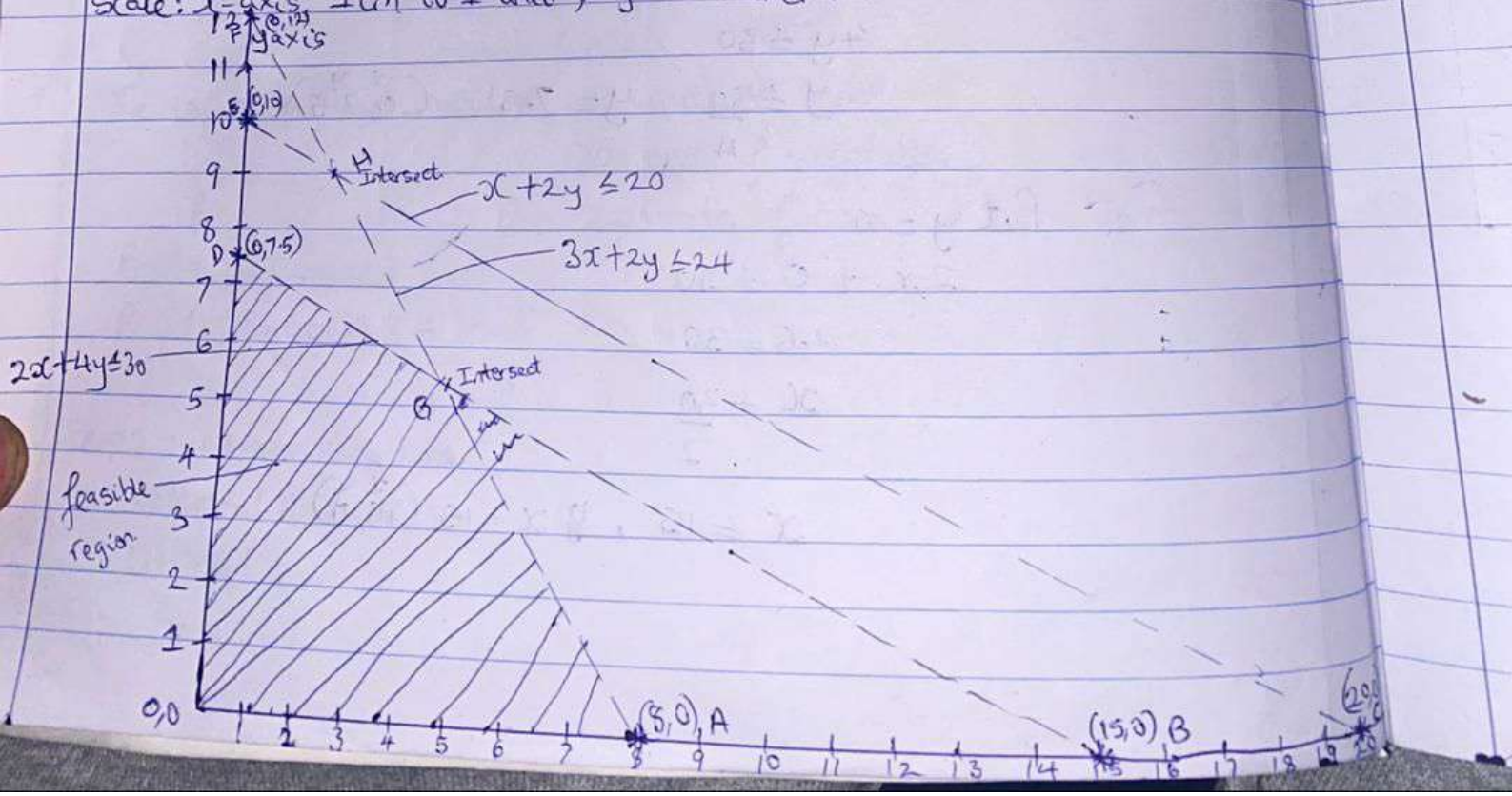
Scale: x-axis : 2cm to 1 unit

y axis 1cm to 1 unit



Steps: Represent using graphical method.

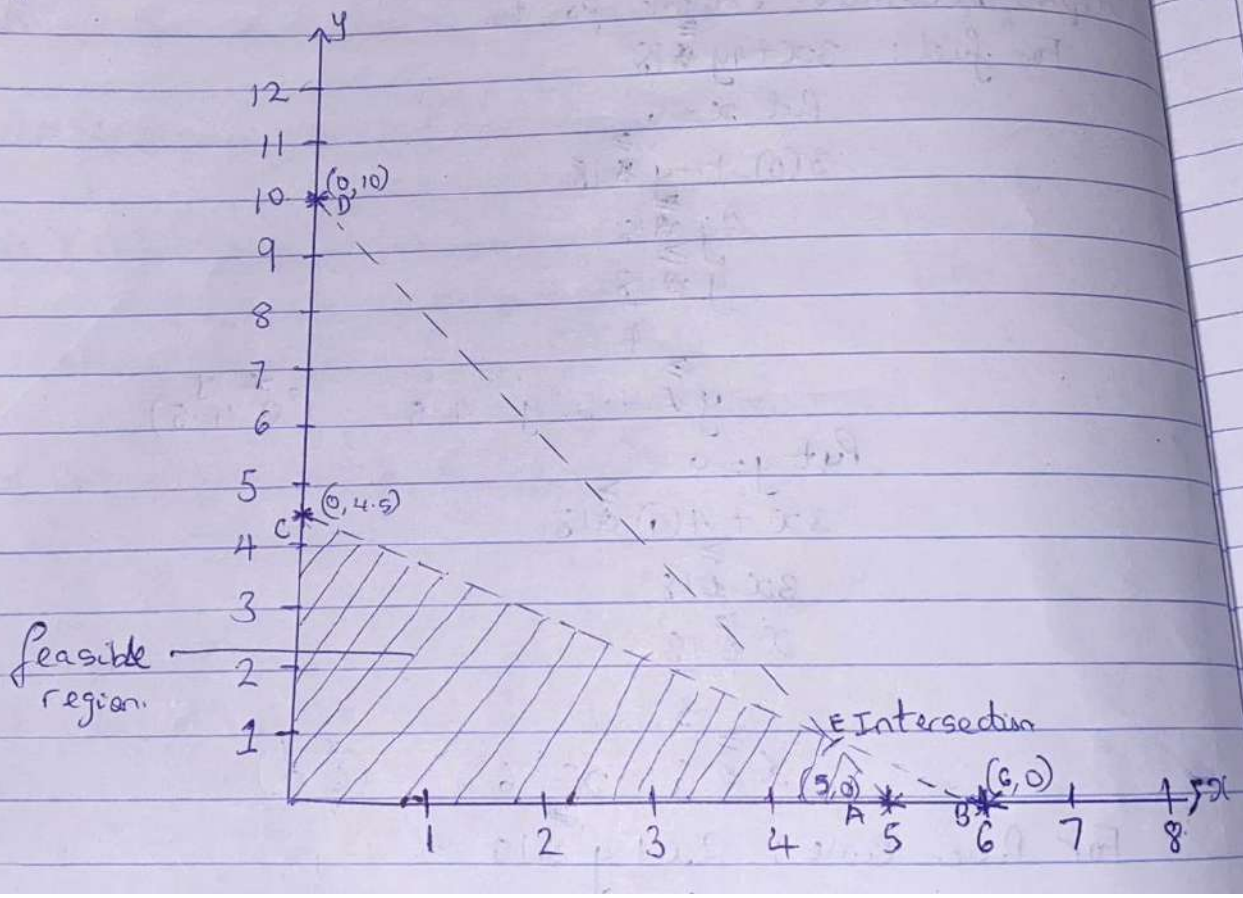
Scale: x-axis: 1 cm to 1 unit, y-axis 1 cm to 1 unit



Step 5: Draw graph.

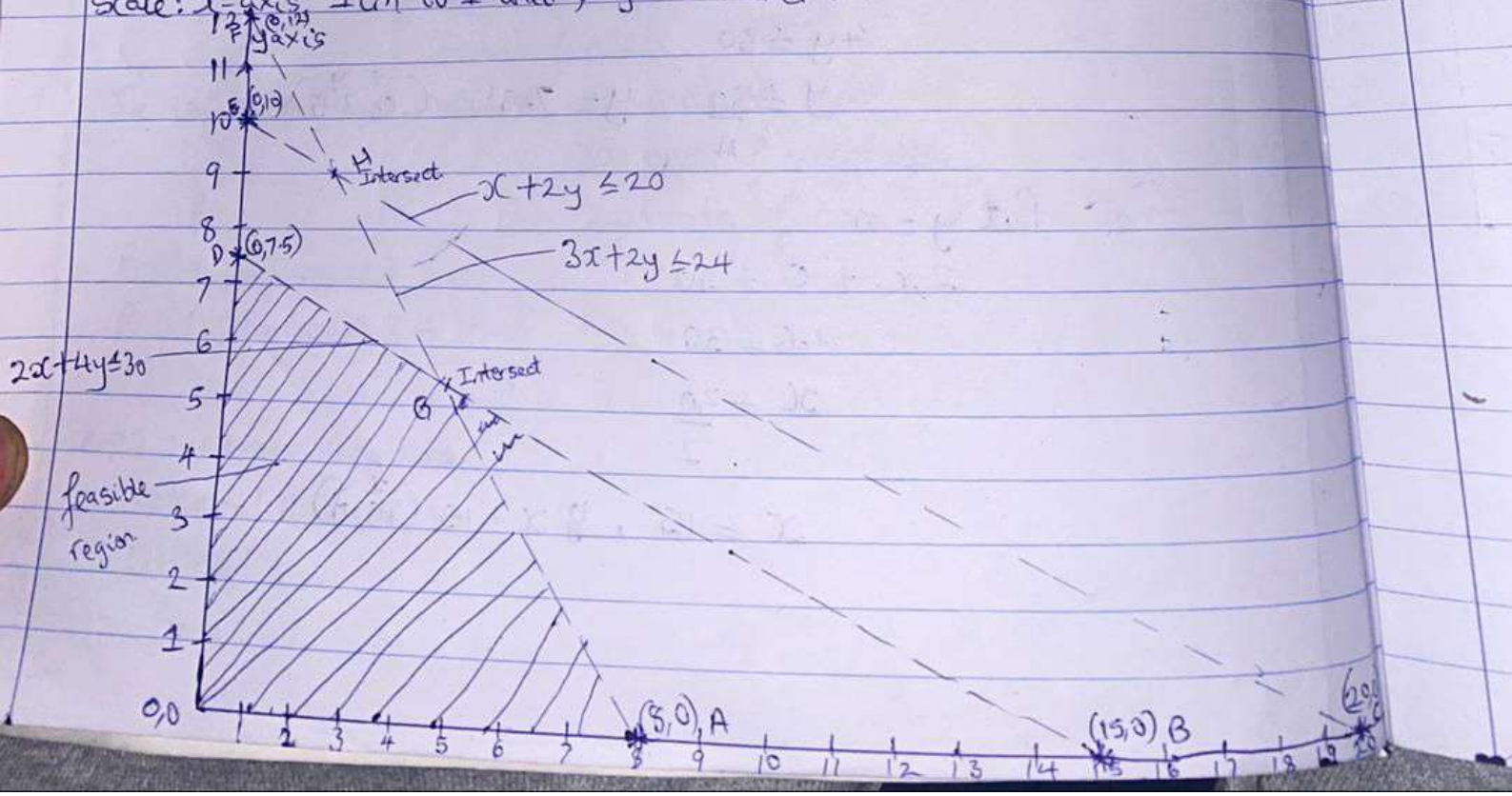
Scale: x-axis : 2cm to 1 unit

y axis 1cm to 1 unit



Steps: Represent using graphical method.

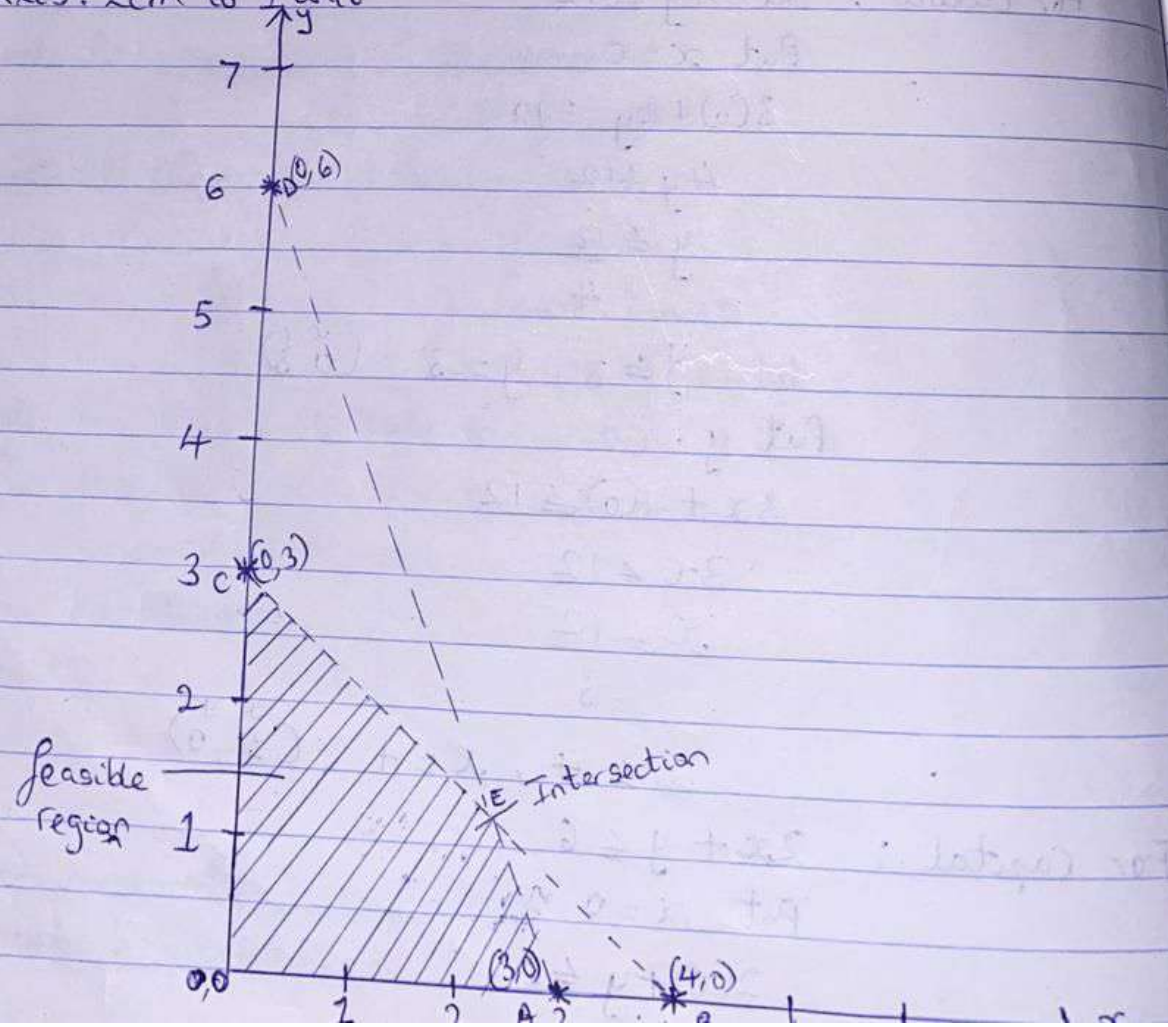
Scale: x-axis: 1 cm to 1 unit, y-axis 1 cm to 1 unit



Step 5 : Represent using graphical method.

Scale : x axis : 2cm to 1 unit

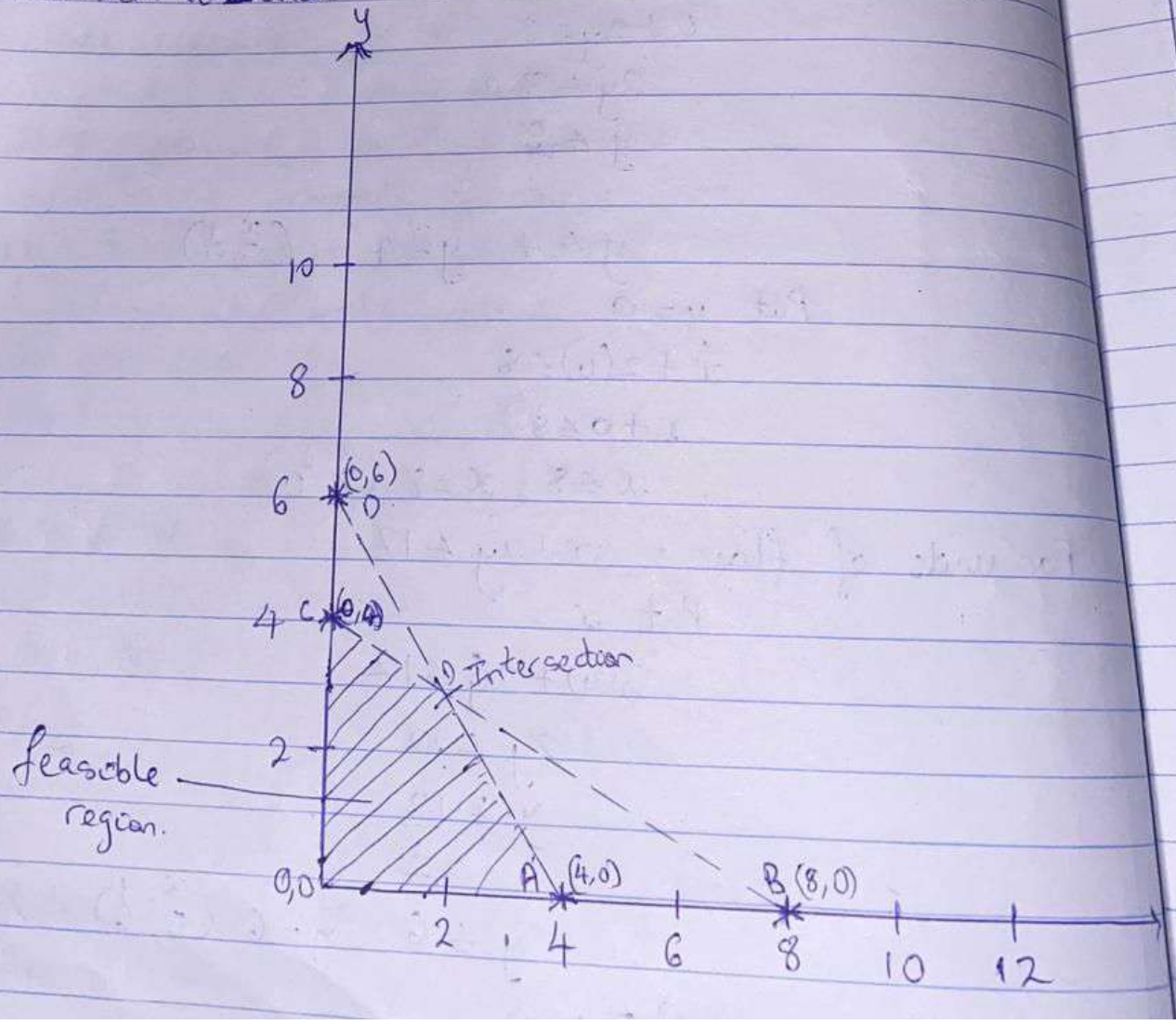
y axis : 2cm to 1 unit



Step 5: Represent using Graphical method.

Scale: x-axis: 2 cm to 2 units

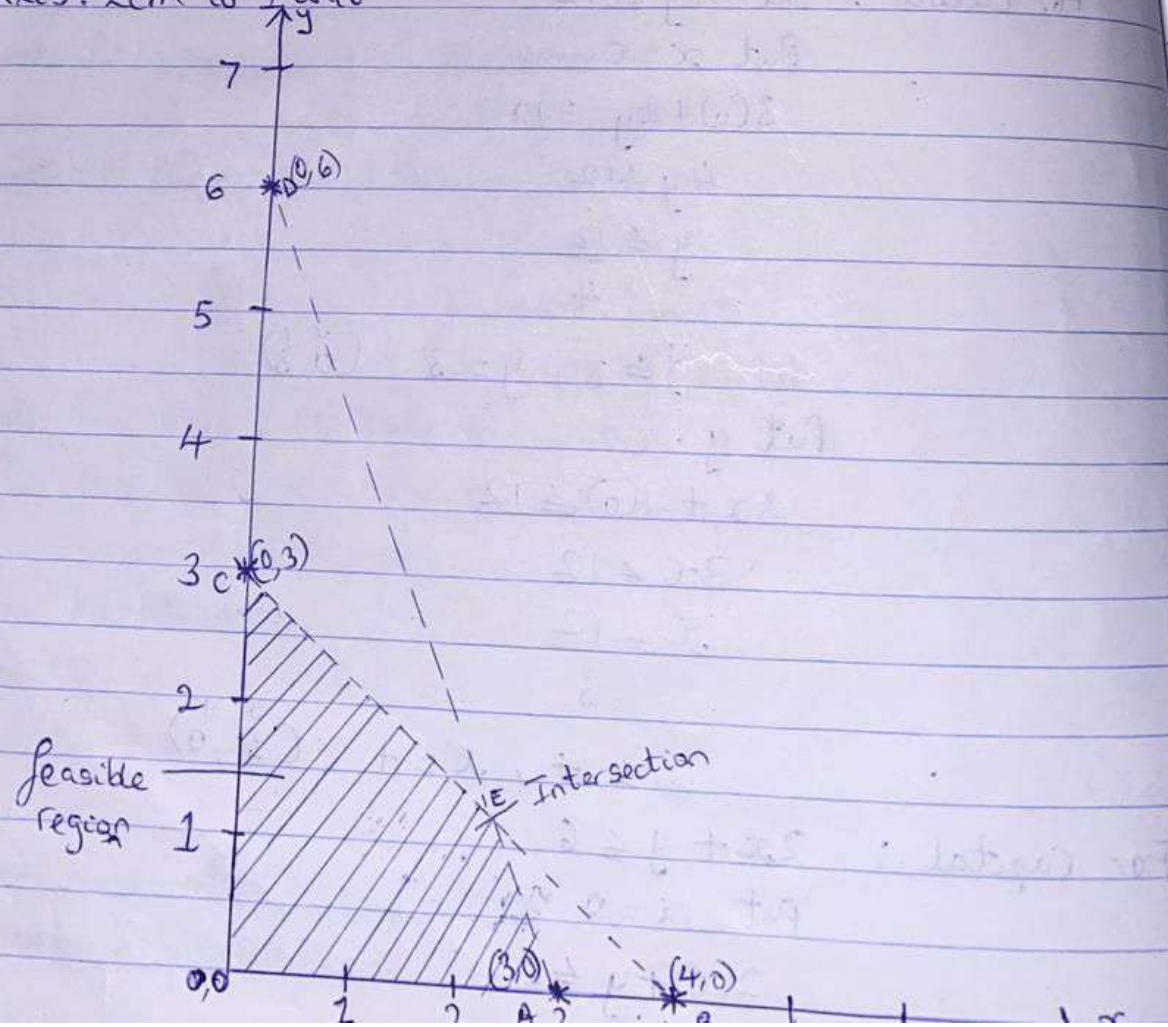
y-axis: 2cm to 2 units



Step 5 : Represent using graphical method.

Scale : x axis : 2cm to 1 unit

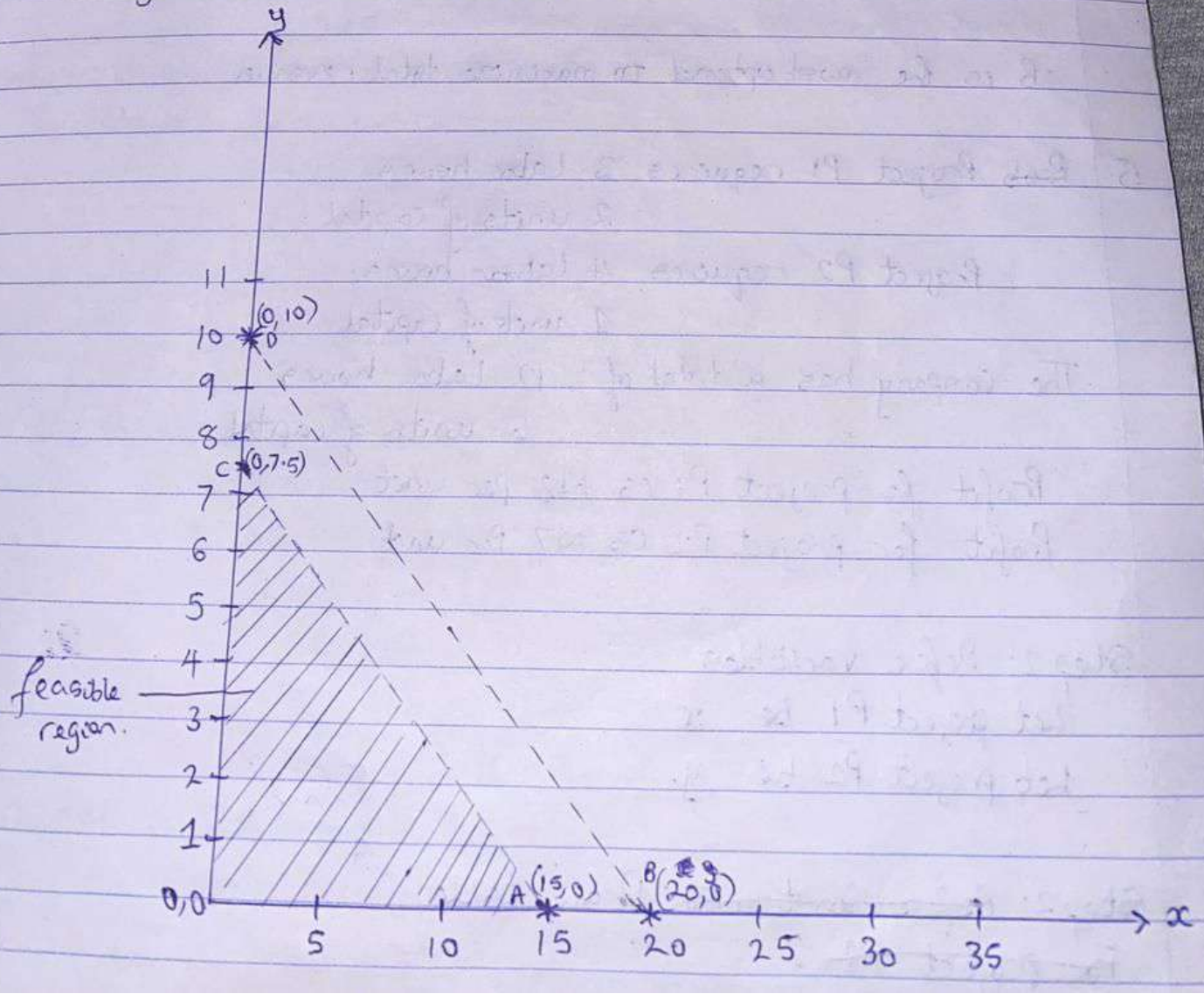
y axis : 2cm to 1 unit



Step5: Represent using graphical method.

Scale: x axis - 2cm to 5 units

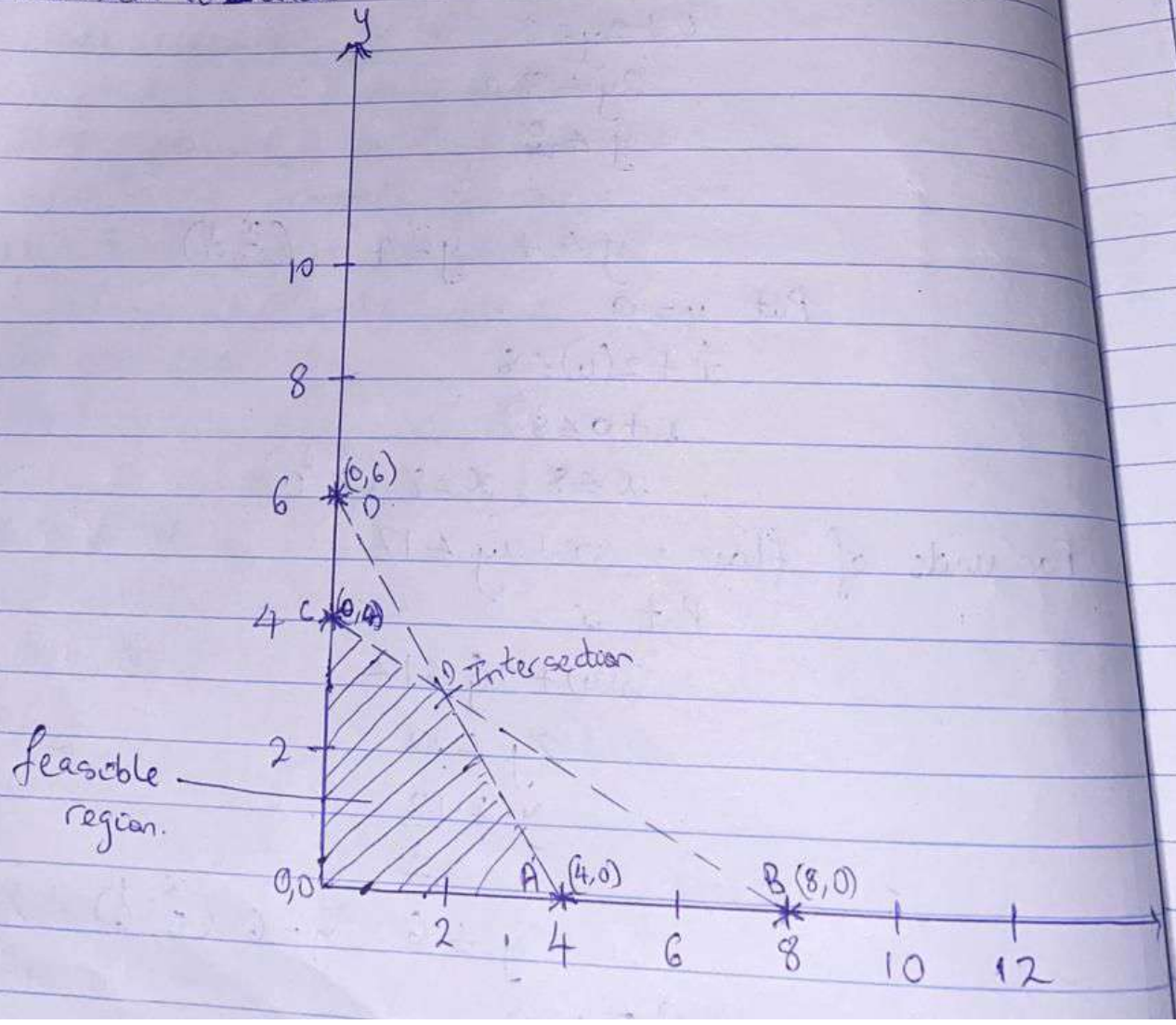
y axis - 1cm to 1 units.



Step 5: Represent using Graphical method.

Scale: x-axis: 2 cm to 2 units

y-axis: 2cm to 2 units



Step 5: Representation on a graph.

Scale: 2cm to 5 units (x axis)

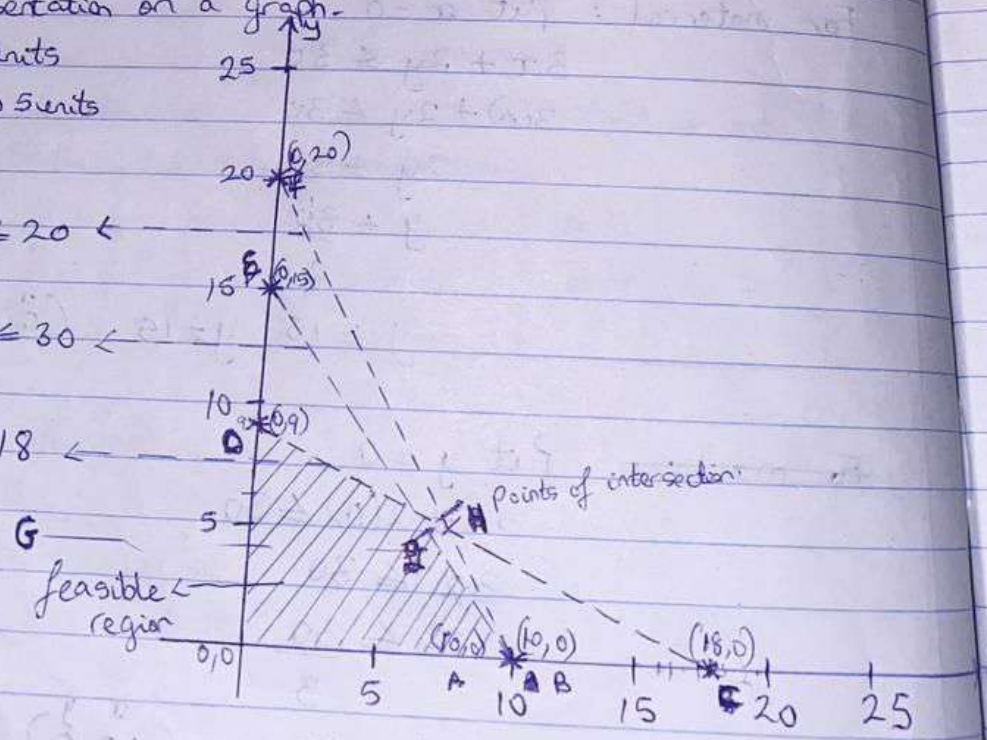
y axis: 2cm to 5 units

$2x+y \leq 20$ ←

$3x+2y \leq 30$ ←

$x+2y \leq 18$ ←

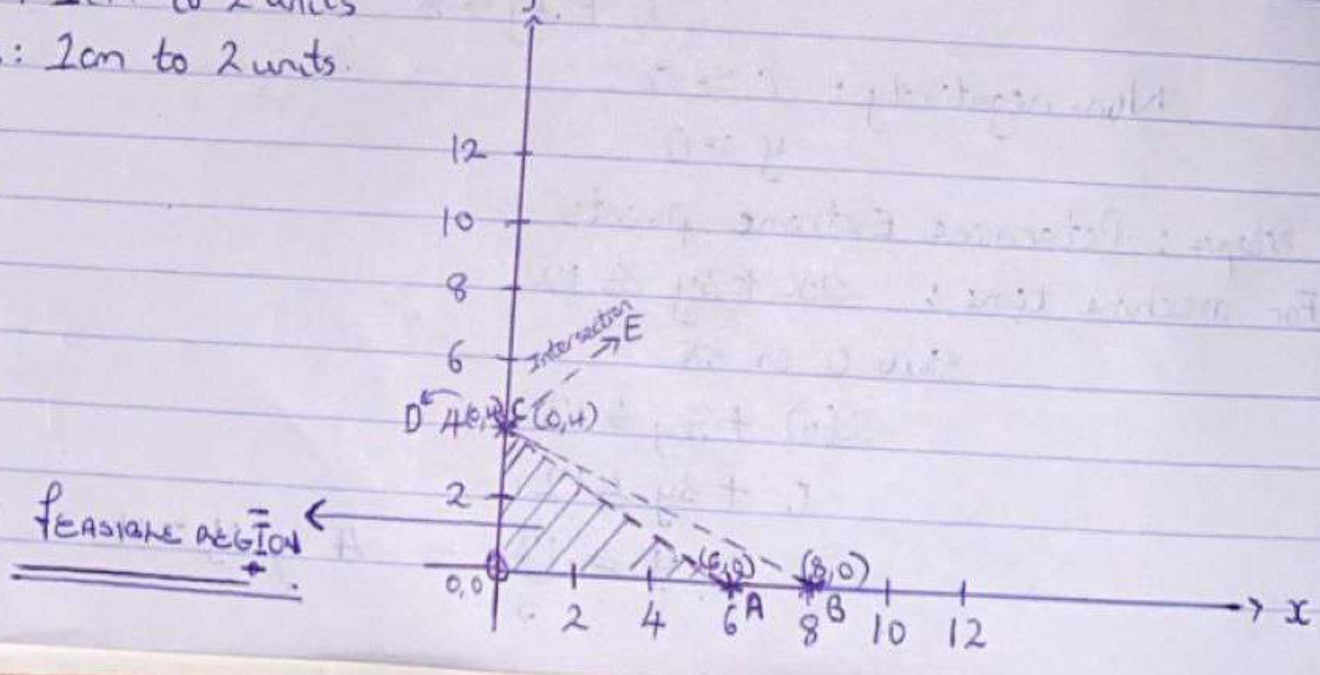
G — feasible region



Step 5 : Represent using graphical method

x axis : 1cm to 2 units

y axis : 1cm to 2 units



Step 5 : Represent using the graphical method :

Scale : x axis : 1 cm to 1 unit

y axis : 1 cm to 1 unit