CHAPTER 6 – LINEAR INEQUALITIES

Questions based on Focus Area

1. Solve the system of inequalities graphically :

   $2x + y \geq 4$

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

2. Solve graphically the system of inequation :

   $x + 2y \leq 8; 2x + y \leq 8; x \geq 0; y \geq 0$

3. Solve the following inequalities graphically :
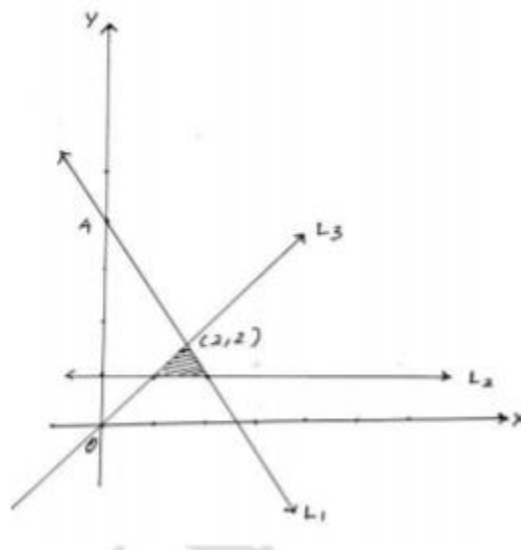
   $2x + y \geq 4; x + y \leq 3; 2x - 3y \leq 6$

4. Solve the following inequalities graphically :

   $x + y \geq 5; x - y \leq 3$

5. The graphical solution of a system of linear inequalities is shown in the figure.
   a) Find the equation of the lines L_1 , L_2 , L_3.
   b) Find the inequalities is shown in the figure.

6. Solve the following system of inequalities graphically :

. $3x + 2y \leq 12, \; x \geq 1, \; y \geq 2.$

7. Solve the following system of inequalities graphically :

$x - 2y \leq 3; \; 3x + 4y \geq 12; \; x \geq 0, y \geq 0$

LINEAR INEQUALITIES FOCUS AREA VIDEO LINK :
https://youtu.be/yxx-MrhAdKI