

Graphing a System of Linear Inequalities

❖ Two or more linear inequalities considered together form a _____ . The solutions to a system of linear inequalities are the _____ .

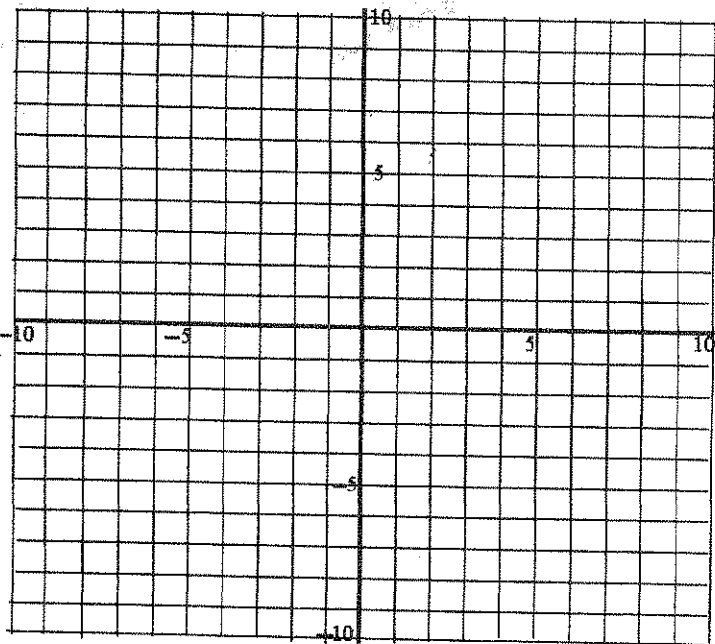
❖ The graph of the solutions to a system of inequalities is the _____ .

Example:

Graph this system of inequalities.

$$y \geq x - 2$$

$$x + y < 3$$



Steps:

- 1.
- 2.
- 3.
- 4.

Practice:

Graph the following system of inequalities:

a) $x - 2y > 6$
 $x + 2y \leq 4$

b) $y > 9$
 $y < 2x$

