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Class – 10th   **Chapter-4**   **Subject Maths**

Worksheet-11   *Linear Equation and Inequalities*

1. Solve the following linear pairs by graphical method and find co-ordinates of point where lines representing by them cuts y– axis.

   (i) $2x - 5y + 4 = 0$; $2x + y - 8 = 0$ (ii) $3x + 2y = 12$; $5x - 2y = 4$

2. Solve the following linear pair by ghraphical method and find coordinated of vertices of triangle, formed by y– axis and lines formed by linear pair.

   $4x - 5y = 20$; $3x + 5y = 15$

3. Solve the following pairs of linear equations, graphically

   (i) $3x + 2y = 11$, $2x - 3y + 10$.   (ii) $2x + y - 6 = 0$; $4x + 2y - 4 = 0$

4. Half the perimeter of a rectangular garden, whose length is 4 m more than its width, is 36 m. Find the dimensions of the garden.

5. The larger of two supplementary angles exceeds the smaller by 18 degrees. Find them.