

## LINEAR EQUATIONS IN TWO VARIABLES

1. On which axis, do the given points lie?  
(i)  $(0, -5)$     (ii)  $(4, 0)$
2. In which quadrants do the given points lie?  
(i)  $(5, -3)$     (ii)  $(-2, 4)$     (iii)  $(-3, -5)$     (iv)  $(2, 7)$
3. Show that  $x = 2, y = 3$ , satisfies the equation  $3x - 4y + 6 = 0$
4. Draw the graph of the equation  $2x - y + 3 = 0$ , Using the graph find the value of  $y$  when  $x = -2$ . Find the coordinates of the point where graphs cut  $x$  - axis.
5. Draw the graph of the equation  $y = 2x$ . From the graph, find  $x$  when  $y = 2$ . Find the coordinates of point where cuts  $y$ -axis.
6. Draw the graph of the following equations:
  - (i)  $x = 0$ , what is the special name given to this axis?
  - (ii)  $y = 0$ , what is the special name given to this axis?
  - (iii)  $x = 4$
  - (iv)  $y = 3$
  - (v)  $y + 4 = 0$
  - (vi)  $x + 2 = 0$