

Class – 9<sup>th</sup>

Chapter-4

Subject Maths

*Worksheet-11*

Linear Equation in two variable

1. Write each of the following equations in the form  $ax + by + c = 0$  and indicate the values of  $a$ ,  $b$  and  $c$  in each case:
  - (i)  $2x + 3y = 4.37$
  - (ii)  $x - 4 = 3y$
  - (iii)  $4 = 5x - 3y$
  - (iv)  $2x = y$
2. The cost of a notebook is twice the cost of a pen. Write a linear equation in two variables to represent this statement. (Take the cost of a notebook to be `  $x$  and that of a pen to be `  $y$ ).
3. Find four different solutions of the equation  $x + 2y = 6$ .
4. Find two solutions for each of the following equations:
  - (i)  $4x + 3y = 12$
  - (ii)  $2x + 5y = 0$
  - (iii)  $3y + 4 = 0$