

LINEAR EQUATION IN TWO VARIABLE

- o An equation of the type ax+by+c=0, where a,b,c are real numbers and a # 0 and b #0.
- o Values of x and y for which equations hold true are called its solutions.

 o A linear equation in two variable has infinitely many solutions.
- o When represented graphically, it represents a straight line & every solution is a point in this straight line.
- o Two linear equations with two Same variables are called bair of linear equations.
- o The general form of this equation is

$$a_1 \times + b_2 + c_1 = 0$$

 $a_2 \times + b_2 + c_2 = 0$

where $a_1, a_2, b_1, b_2, c_1, c_2$ are numbers and

 $a_1^2 + b_2^2 \neq 0$ & $a_2^2 + b_2^2 \neq 0$.