Linear Equations In Two Variables

An equation of the form ax + by + c = 0, where a, b and c are real numbers, such that a and b are not both zero, is called a linear equation in two variables.

Important points to Note

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1	A linear equation in two variable has infinite solutions
2	The graph of every linear equation in two variable is a straight line
3	x = 0 is the equation of the y-axis and y = 0 is the equation of the x-axis
4	The graph x=a is a line parallel to y -axis.
5	The graph y=b is a line parallel to x -axis
6	An equation of the type y = mx represents a line passing through the origin.
7	Every point on the graph of a linear equation in two variables is a solution of the linear equation. Moreover, every solution of the linear equation is a point on the graph