INTRODUCTION TO GRAPHS

VARIABLE

Variable

Quantity which change its value according to given condition or a number not having a fix value, called variable like x, y, z, t...

Independent and Dependent variable

If one quantity affects the other quantity then first one is called independent variable and other quantity is called dependent variable.

(1) Increase of time affects amount of interest. Here time is independent and interest is dependent variable.

(2) As speed increases the distance cover in less time. Speed is independent and time is dependent variable.

(3) As sides increase of any polygon then perimeter is also increase. Length of sides are independent & perimeter is dependent variable.

Distance from coordinate axis :

If a point p(x, y) locate on a plane then distance of this point from x-axis is equal to y coordinate and from y-axis the distance is equal to x coordinate.

Note : Distance is always positive