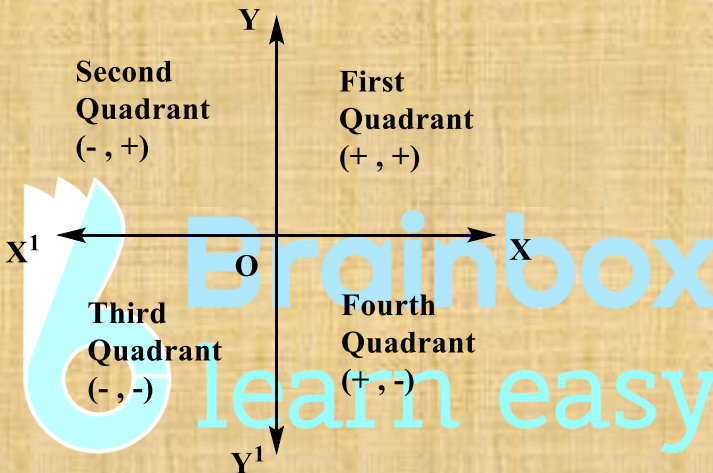


Introduction to Graphs

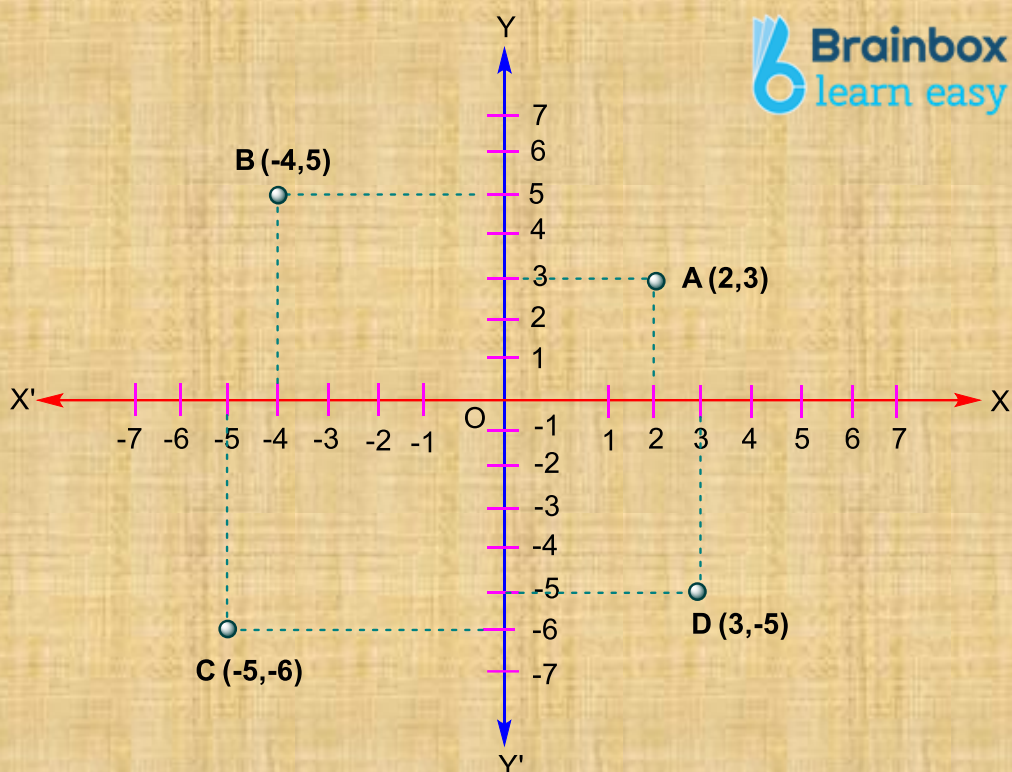
Signs of Co-ordinates of Quadrants:

Take a plane and draw 2 mutually perpendicular number lines in a plane that is XOX' and YOY' these lines divide the plane into 4 equal parts each part is called a “Quadrant”.



Example:

Let us discuss the concept by one example question is,
 Write down the co-ordinates of the following points A,B,C and D marked on the graph paper shown in below graph.



Sol:

Clearly, the distance of 'A' from Y – axis is 2 units and that of from X – axis is 3 units. Since, A lies in the first quadrant. Do, its coordinates are (2, 3).

Point B lies in the second quadrant and its distance from Y and X – axes are 4 and 5 units respectively. So, its coordinates are (-4, 5).

Clearly, point 'C' lies in the third quadrant and its distances from Y and X – axes are 5 and 6 units respectively. So, its coordinates are (-5, -6).

Clearly, point 'D' lies in the fourth quadrant. The distance of 'D' from Y – axis is 3 units and from X - axis is 5 units. So coordinates of D are (3, -5).