

# Mathematics

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(Chapter – 3)(Coordinate Geometry)

(Class – 9)

## Exercise 3.2

### Question 1:

Write the answer of each of the following questions:

- (i) What is the name of horizontal and the vertical lines drawn to determine the position of any point in the Cartesian plane?
- (ii) What is the name of each part of the plane formed by these two lines?
- (iii) Write the name of the point where these two lines intersect.

### Answer 1:

- (i)  $x$ -axis and  $y$ -axis
- (ii) Quadrant
- (iii) Origin

### Question 2:

See Figure and write the following:

- (i) The coordinates of B.
- (ii) The coordinates of C.
- (iii) The point identified by the coordinates  $(-3, -5)$ .
- (iv) The point identified by the coordinates  $(2, -4)$ .
- (v) The abscissa of the point D.
- (vi) The ordinate of the point H.
- (vii) The coordinates of the point L.
- (viii) The coordinates of the point M.

### Answer 2:

- (i) The coordinates of B =  $(-5, 2)$
- (ii) The coordinates of C =  $(5, -5)$
- (iii) The point identified by the coordinates  $(-3, -5) = E$
- (iv) The point identified by the coordinates  $(2, -4) = G$
- (v) The abscissa of the point D = 6
- (vi) The ordinate of the point H =  $-3$
- (vii) The coordinates of the point L =  $(0, 5)$
- (viii) The coordinates of the point M =  $(-3, 0)$

