SpeedLabs

MATHS

# CBSE 9th

# TEEVRA EDUTECH PVT. LTD.

# COORDINATE GEOMETRY
## Exercise-3.2



**Q 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.

**Ans -** **(i)** The name of horizontal lines and vertical lines drawn to determine the position of any point in the Cartesian plane is x-axis and y-axis respectively.

**(ii)** The name of each part of the plane formed by these two lines, x-axis and y-axis, is quadrant (one-fourth part).

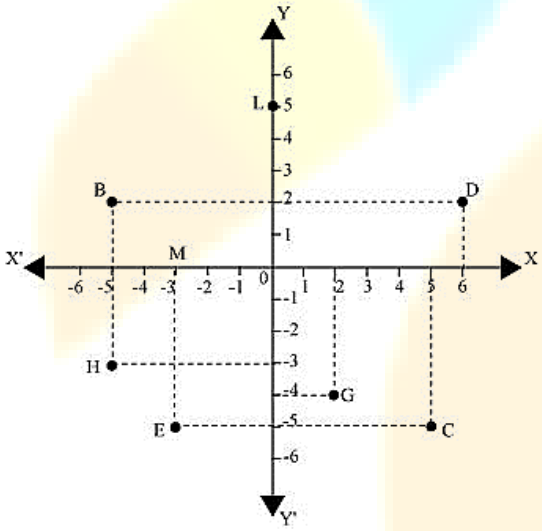
**(iii)** The name of the point where these two lines intersect is the origin.

**Q 2.** **(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).




**Ans -** **(i)** The x-coordinate and the y-coordinate of point B are −5 and 2 respectively. Therefore, the coordinates of point B are (−5, 2).

**(ii)** The x-coordinate and the y-coordinate of point C are 5 and −5 respectively. Therefore, the coordinates of point Care (5, −5).

**(iii)** The point whose x-coordinate and y-coordinate are −3 and −5 respectively is point E.

**(iv)** The point whose x-coordinate and y-coordinate are 2 and $-4$ respectively is point G.

**(v)** The x-coordinate of point D is 6. Therefore, the abscissa of point D is 6.

**(vi)** The y-coordinate of point H is $-3$. Therefore, the ordinate of point H is $-3$.

**(vii)** The x-coordinate and the y-coordinate of point L are 0 and 5 respectively. Therefore, the coordinates of point L are $(0, 5)$.

**(viii)** The x-coordinate and the y-coordinate of point M are $-3$ and 0 respectively. Therefore, the coordinates of point M is $(-3, 0)$.