



SpeedLabs

MATHS

CBSE 9<sup>th</sup>

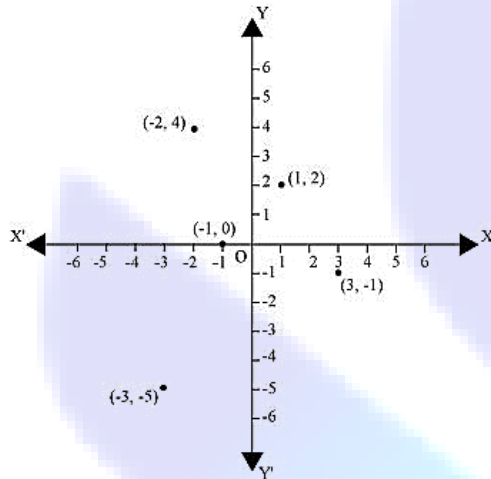
TEEVRA EDUTECH PVT. LTD.

# COORDINATE GEOMETRY

## Exercise-3.3

**Q 1.** In which quadrant or on which axis do each of the points  $(-2, 4)$ ,  $(3, -1)$ ,  $(-1, 0)$ ,  $(1, 2)$  and  $(-3, -5)$  lie? Verify your answer by locating them on the Cartesian plane.

**Ans -**



The point lies in the II<sup>nd</sup> quadrant in the Cartesian plane because for point, x-coordinate is negative and y-coordinate is positive.

Again, the point lies in the IV<sup>th</sup> quadrant in the Cartesian plane because for point, x-coordinate is positive and y-coordinate is negative.

The point lies on negative x-axis because for point, the value of y-coordinate is zero and the value of x-coordinate is negative.

The point lies in the I<sup>st</sup> quadrant as for point, both x and y are positive.

The point lies in the III<sup>rd</sup> quadrant in the Cartesian plane because for point, both x and y are negative.

**Q 2.** Plot the points  $(x, y)$  given in the following table on the plane, choosing suitable units of distance on the axes.

x	-2	-1	0	1	3
y	8	7	-1.25	3	-1

**Ans -** The given points can be plotted on the Cartesian plane as follows.

