

# Mathematics

(www.tiwariacademy.com)

(Chapter – 3)(Coordinate Geometry)

(Class – 9)

## Exercise 3.3

### Question 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.

#### Answer 1:

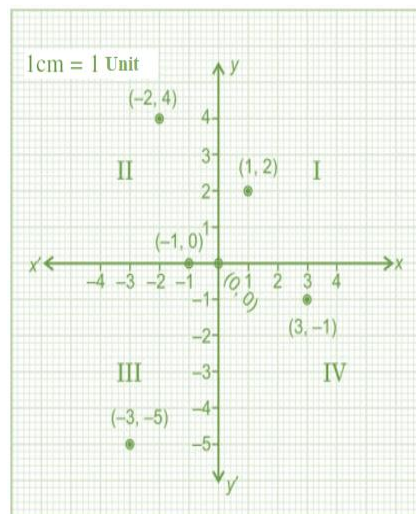
$(-2, 4)$ : Second Quadrant

$(3, -1)$ : Fourth Quadrant

$(-1, 0)$ :  $x$ -axis

$(1, 2)$ : First Quadrant

$(-3, -5)$ : Third Quadrant



### Question 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

#### Answer 2:

Plotting of points on Cartesian plane:

Point	A	B	C	D	E
$x$	-2	-1	0	1	3
$y$	8	7	-1.25	3	-1
Co-ordinates	A(-2, 8)	B(-1, 7)	C(0, -1.25)	D(1, 3)	E(3, -1)

