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:

The position of each point is as follows:
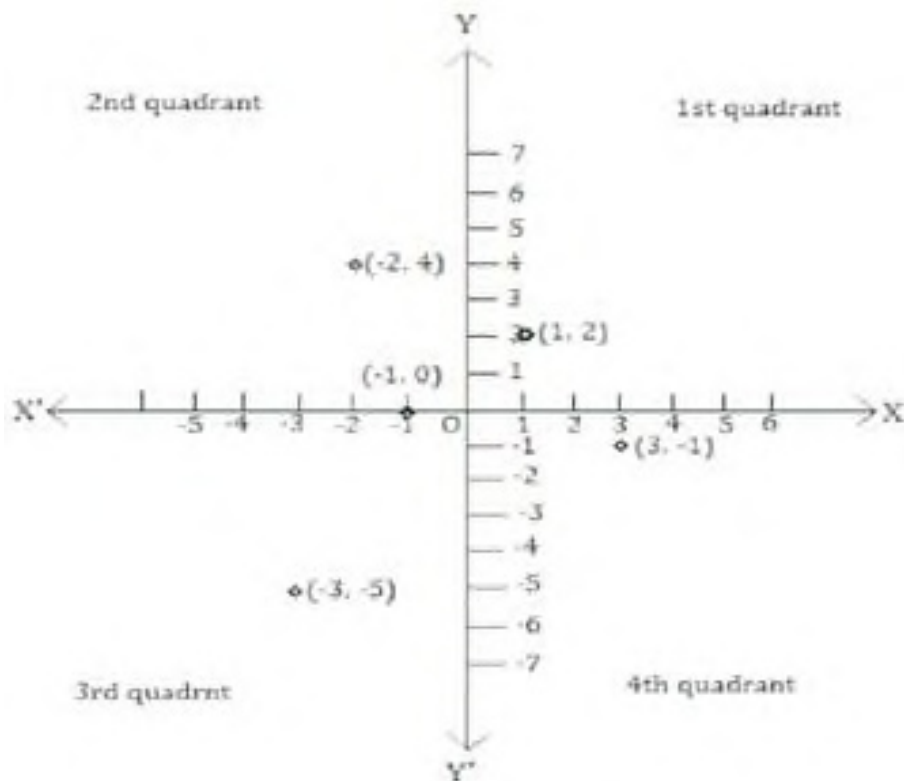
(-2, 4) = Second quadrant

(3, -1) = Fourth quadrant

(-1, 0) = Second quadrant (negative 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 axis.

X	-2	-1	0	1	3
Y	8	7	-1.25	3	1

Answer:

Points (x, y) are located on the plane.

1 unit = 1 cm

Points (x,y) on the plane. 1unit = 1 cm