

Mathematics

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(Chapter – 3) (Coordinate Geometry)(Exemplar Problems)

(Class – IX)

Exercise 3.4

Question 2:

Write the coordinates of the vertices of a rectangle whose length and breadth are 5 and 3 units respectively, one vertex at the origin, the longer side lies on the x -axis and one of the vertices lies in the third quadrant.

Answer 2:

Given length of rectangle = 5 units

Given breadth of rectangle = 3 units

One vertex is at origin i.e., $D(0, 0)$ and one of the other vertices lies in III quadrant. So the Length of the rectangle is 5 units in the negative direction of X -axis and then vertex is $A(-5, 0)$. Also the breadth of the rectangle is 3 units in the negative direction of Y -axis and then vertex is $C(0, -3)$. The fourth vertex B is $(-5, -3)$.

