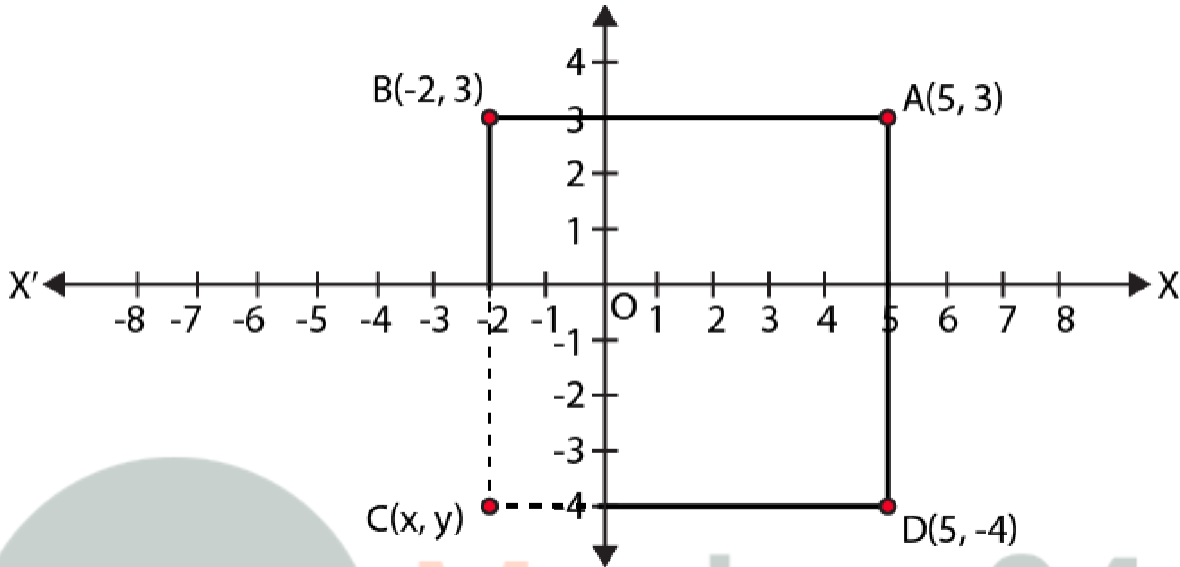


### EXERCISE 3.4

1. Points A (5, 3), B (-2, 3) and D (5, -4) are three vertices of a square ABCD. Plot these points on a graph paper and hence find the coordinates of the vertex C.

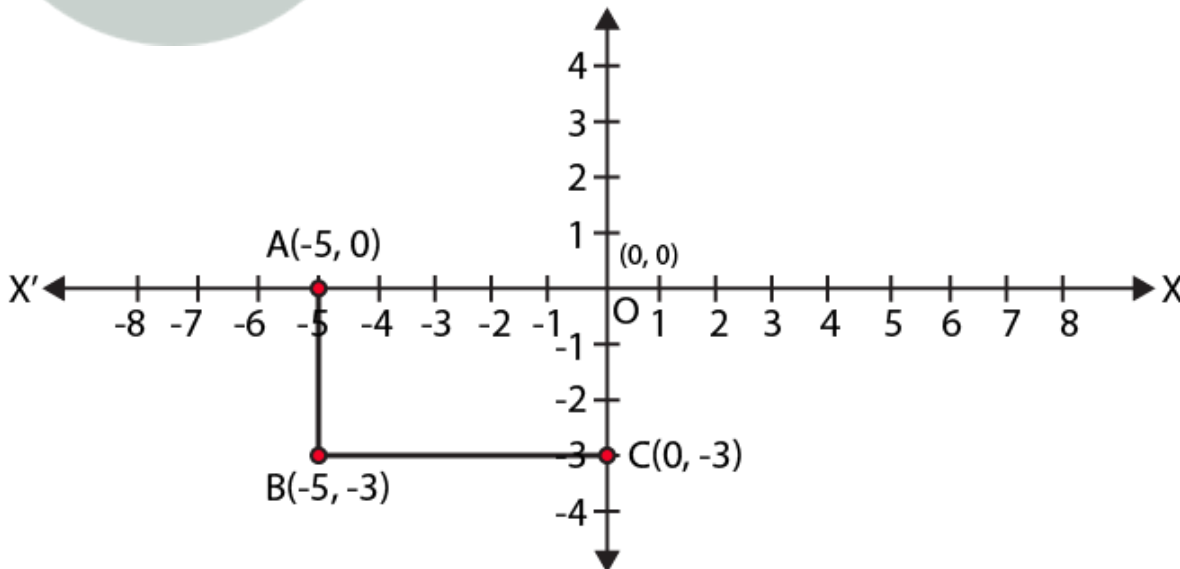
Solution:



From the graph, we get that,  
The coordinates of C = (-2, -4).

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.

Solution:



From the graph, we get that,  
The coordinates of the points of the rectangle are (0, 0), (-5, 0), (-5, -3) and (0, -3).