

# Mathematics

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

(Class – IX)

## Exercise 3.4

### Question 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.

### Answer 1:

The graph obtained by plotting the points A, B and C and D is given below. Take a point C on the graph such that ABCD is a square i.e., all sides AB, BC, CD and AD are equal. So, abscissa of C should be equal to abscissa of B i.e., –2 and ordinate of C should be equal to ordinate of D i.e., –4.

Hence, the coordinates of C are (–2, –4).

