

Mathematics

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

(Class – IX)

Exercise 3.3

Question 12:

Taking 0.5 cm as 1 unit, plot the following points on the graph paper:

A(1, 3), B(-3, -1), C(1, -4), D(-2, 3), E(0, -8), F(1, 0)

Answer 12:

Here, in point A(1, 3) both x and y – coordinates are positive, so it lies in I quadrant.

In point B(-3, -1), both x and y - coordinates are negative, so it lies in III quadrant.

In point C(1, -4) x - coordinate is positive and y-coordinate is negative, so it lies in IV quadrant.

In point E(0, -8) x - coordinate is zero, so it lies on Y-axis and in point F(1, 0) Y-coordinate is zero, so it lies on X -axis. On plotting the given points, we can get the graph.

