

# Mathematics

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

(Class – IX)

## Exercise 3.1

Write the correct answer in each of the following:

### Question 9:

Points  $(1, -1)$ ,  $(2, -2)$ ,  $(4, -5)$ ,  $(-3, -4)$

(A) lie in II quadrant

(B) lie in III quadrant

(C) lie in IV quadrant

(D) do not lie in the same quadrant

### Answer 9:

(D) do not lie in the same quadrant

### Solution:

In points  $(1, -1)$ ,  $(2, -2)$  and  $(4, -5)$  x-coordinate is positive and y-coordinate is negative. So, they all lie in IV quadrant. In point  $(-3, -4)$  x-coordinate is negative and y-coordinate is negative. So it lies in III quadrant. So, given points do not lie in the same quadrant.

