

# Mathematics

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

(Class – IX)

## Exercise 3.3

### Question 5:

Without plotting the points indicate the quadrant in which they will lie, if

- (i) ordinate is 5 and abscissa is  $-3$
- (ii) abscissa is  $-5$  and ordinate is  $-3$
- (iii) abscissa is  $-5$  and ordinate is  $3$
- (iv) ordinate is 5 and abscissa is  $3$

### Answer 5:

- (i) The given point is  $(-3, 5)$ . Here, abscissa is negative and ordinate is positive, so it lies in II quadrant.
- (ii) The given point is  $(-5, -3)$ . Here, abscissa is ordinate and both are negative, so it lies in III quadrant.
- (iii) The given point is  $(-5, 3)$ . Here, abscissa is negative and ordinate is positive, so it lies in II quadrant.
- (iv) The given point is  $(3, 5)$ . Here, abscissa is ordinate and both are positive so it lies in I quadrant.

