Mathematics
Class 9th
Chapter 3 (Coordinate geometry)

1. The coordinate of the point which lies on y axis at a distance of 4 units in negative direction of y axis-
a. (-4,0)   b. (4,0)   c. (0, -4)   d. (0, 4)

2. The point of intersect of the two coordinate axes is-
a. ordinate   b. abscissa   c. quadrant   d. origin

3. The perpendicular distance of the point P (4, 3) from x axis is-
a. 4   b. 3   c. 5   d. none of these

4. The abscissa of a point is -7 and the ordinate is 2 then the points is-
a. (2, -7)   b. (-7,2)   c. (-2, 7)   d. (7, -2)

5. Which of the following point lie in IV quadrant-
a. (-4, -1)   b. (-2, 6)   c. (-1, 3)   d. (2, -4)

6. Area of the triangle formed by the points A (-4,0), B (0,-3) and O (0, 0) is-
a. 4 sq. units   b. 5 sq. units   c. 6 sq. units   d. 8 sq. units

7. If coordinates of two points P and Q are (-2, 3) and (-3, 5), then (abscissa of Q) – (ordinate of P) is-
a. 0   b. – 6   c. 6   d. – 5

8. The perpendicular distance of the point (-3, -7) from the y axis is-
a. – 3   b. – 7   c. 3   d. 7

9. The distance of the point P (4, 3) from the origin is-
a. 4 units   b. 3 units   c. 5 units   d. 7 units

10. The measure of the angle between the coordinate axes is-
a. 0 degree   b. 90 degree   c. 180 degree   d. 360 degree

11. The ordinate of the point on x axis is-
a. 0   b. – 1   c. 1   d. Any number

12. Two points having same abscissa but different ordinate lie on-
a. x axis   b. y axis   c. third quadrant   d. fourth quadrant

13. The abscissa of the point in x axis is-
a. 0   b. 1   c. – 1   d. Any number

14. The point for which ordinate is negative lies in-
a. II quadrant   b. III & IV quadrant   c. III quadrant   d. II & IV quadrant

15. Find the value of x and y if (2x + 3, 3y -7) = (3x + 1, y + 3)-
a. x = 0, y = 0   b. x = 2, y = 5   c. x = 1, y = 3   d. x = 3, y = 5

CASE STUDY

Four friends Ram, Raju, Ravi & Ritu are standing in reference to a well situated at the origin with following respective coordinates (2, 4), (- 2, 4), (- 2, - 4) and (2, - 4).

1. By plotting the points on a graph paper, the figure obtained is rectangle. Find the perimeter of the rectangle is-
a. 12 cm   b. 24cm   c. 48cm   d. 8cm

2. Find the distance between Ram and Raju-
a. 2cm   b. 3cm   c. 4cm   d. 5cm

3. Raju stands on which quadrant-
a. quadrant I   b. quadrant II   c. quadrant III   d. quadrant IV

4. Ordinate of (2, - 4) is-
a. 2   b. 4   c. - 2   d. - 4

5. Absicssa   of(2,4) is-
a. 2   b. 4   c. - 2   d. - 4

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