

St. Andrews Scots Sr. Sec. School

9th Avenue, I.P. Extension, Patparganj, Delhi – 110092

Session:2024-25

Worksheet

Class: IX	Subject: Mathematics	Topic: Coordinate geometry	Worksheet 3
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- Q1. Write the coordinates of a point on x-axis at a distance of 6 units from the origin in the positive direction of x-axis and then justify your answer.
- Q2. If the coordinates of two points are P (-2, 3) and Q (-3, 5), then find (abscissa of P) – (abscissa of Q).
- Q3. Without plotting the points indicate the quadrant in which they will lie, if i. Ordinate is -3 and abscissa is -2 ii. Abscissa is 5 and ordinate is -6
- Q4. Plot the points A (5, 5) and B (-5, 5) in Cartesian plane. Join AB, OA and OB. Name the type of triangle so obtained.
- Q5. If y-coordinate of a point is zero, then where will this point lie in the coordinate plane?
- Q6. In which quadrant(s), abscissa of a point is negative?
- Q7. Find the point whose ordinate is -3 and which lies on y-axis.
- Q8. The point in which abscissa and ordinate have different signs will lie in which quadrant(s)?
- Q9. Find the perpendicular distance of the point P (5, 7) from the y-axis.
- Q10. Find the coordinates of the point
- which lies on both x and y-axis.
 - whose abscissa is 5 and lies on x-axis
 - whose ordinate is -4 and lies on y-axis.