

9th Co- Ordinate Geometry

Co-ordinate Geometry

1. Name the mathematician who developed Co-ordinate geometry.
2. How many points are required to locate a line segment?
3. The axis divide the plane into four parts. What these four parts called?
4. What are the co-ordinates of origin?
5. What is the point of intersection of axis called?
6. What is the distance of a point from y -axis called?
7. What is the distance of a point from x-axis called?
8. What is the name of the horizontal and vertical lines drawn to determine the position of any point to the Cartesian plane?
9. What is the equation of x -axis?
10. Line $y = 0$ represents which axis?
11. Line $y = 2$ is parallel to which axis?
12. Line $x = -3$ is parallel to which axis?
13. What is the perpendicular distance of the point $P(4,3)$ from x-axis?
14. What is the perpendicular distance of the point $Q(5,7)$ from y-axis?
15. Which of the following points lie in the fourth quadrant $(-3, -5)$, $(2, -1)$, $(-2, 4)$, $(4, -7)$, $(5, 6)$?
16. Name the figure obtained by joining the points $(0, 0)$, $(5, 0)$, $(5,5)$, $(0,5)$ in the cartesian plane.
17. Name the figure obtained by joining the points $(0, 0)$, $(5, 0)$, $(5,3)$ and $(0,3)$ in the cartesian plane.
18. Name the figure obtained by joining the points $(-5, 0)$, $(0,5)$ and $(5,0)$ in the cartesian plane.
19. Name the axis on which the point $(7, 0)$ lie.
20. Name the axis on which the point $(0, 9)$ lie.

Ans:

1. Rene Descrete
2. Two
3. Quadrants
4. (0, 0)
5. Origin
6. Abscissa
7. Ordinate
8. x-axis and y - axis
9. $y = 0$
10. x - axis
11. x - axis
12. y - axis
13. 3 units
14. 5 units
15. (2, -1) & (4, -7)
16. Square
17. Rectangle
18. Triangle
19. x - axis
20. y-axis