

# Assignment for Class IX Chapter : COORDINATE GEOMETRY

## CLASS: IX

## SUBJECT: MATHEMATICS

- In which quadrant or on which axes do each point lies
  - The ordinate is 3 and abscissa is  $-4$
  - The abscissa is  $-2$  and ordinate is  $-3$
  - $(-3, 2)$
  - $(0, -4)$
  - $(5, 0)$
- Given point P  $(3, 4)$ . What is the distance of point P from (a) x axis (b) y axis?
- Plot the points A  $(4, 0)$ , B  $(4, 4)$  and C  $(0, 4)$  on the graph. Join OA, AB, BC, and CO. Name the figure so formed and measure its sides
- How many axis and quadrants are there in a Cartesian plane?
- Plot the points on a graph paper:
  - $(3, 4)$
  - $(-2, 3)$
  - $(-1, -2)$
  - $(5, -1)$
- Check whether the points  $(1, 5)$ ,  $(0, 3)$  lie on the line  $y = 3 + 2x$  or not
- Find the area of the triangle whose vertices are  $(0, 4)$ ,  $(0, 0)$  and  $(2, 0)$  by plotting them on graph
- Find the equation of a line parallel to x – axis at a distance of 2 units below x - axis
- Find the coordinates of the point
  - Which lies on x and y axis both
  - Whose ordinate is  $-4$  and which lies on y axis
  - Whose abscissa is 5 and which lies on x – axis
- Write the coordinates of a point left of y – axis and on y – axis at a distance of 6 units
- Draw the graph of the equation  $y = 3x$