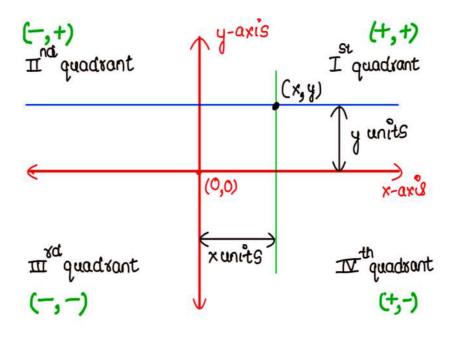


COORDINATE GEOMETRY



- o The plane is called the Castesian, or coordinate plane & the lines are called the coordinate axes.
- o The horizontal line is called the x-axis & the vertical line is called y-axis.
- o The coordinate axes divide the plane into four equal parts.
- o The point of intersection of the axes is called the oxigin.
- o The distance of the point from y-axis is called its x-coordinate or abscissa, and the distance of the point from x-axis is called its y-coordinate, or ordinate.
- o If the abscissa of a point is x and the ordinate is y, then (x,y) are called the coordinates of the point.
- o The coordinates of a point on the x-axis one of the form (x,0) and that of the point on the y-axis are (0,y).
- o the coordinates of a point are of the form (+,+) in I quadrant, (-,+) in the II quadrant, (-,-) in the third quadrant and (+,-) in the II quadrant
- 0 If x ≠ y , then (x,y) ≠ (y,x) & (x,y) = (y,x) , if x=y.