INDIAN SCHOOL NIZWA - WORKSHEET

MATHEMATICS

CH: 3. CO-ORDINATE GEOMETRY Class: IX

1. Write the coordinates of a point which:-

(a) Lies on the x-axis and is at a distance of 4 units to the right of the origin.

(b) Lies on the y-axis and is at a distance of y units below the x-axis.

(c) Is at a distance of 3 units from the x-axis and 7 units from the y-axis. [there would be four such points]

2. Draw the graphs of the eqs:- 2–(a) $3x - 2y = 7$

3. Find the point where the line represented by the equation $5y - 3x - 10 = 0$ cuts the y-axis.

4. Draw the graph of the line $3x + 4y = 18$. With the help of graph find value of y when $x = 2$. (show this point on the graph)

5. On a graph draw a quadrilateral whose vertices are (1,1), (2,4), (8,4) and (10,1). Justify the quadrilateral.

6. Draw the graph of $y = 2x + 4$. Use the graph to find the area between the line and the axes.

in which quadrant will the point lie, if:-

(a) ordinate is 3 and abscissa is – 7

(b) abscissa is – 10 and ordinate is – 4

(c) Ordinate is 4 and abscissa is – 6.