

MATHEMATICS

CHAPTER NUMBER :~ 3

CHAPTER NAME :~ COORDINATE GEOMETRY

SUB TOPIC :~ RECAPITULATION OF PREVIOUS TOPIC

CHANGING YOUR TOMORROW

PREVIOUS KNOWLEDGE TEST

1. Plot Points On Cartesian Plane~(0,0); (1,4); (9,0); (0,9); (-5,9); (-2,-9).
2. Locate the points (2,-3); (3,2); (2,2); (0,2); (2,0) on the Cartesian plane.

LEARNING OUTCOME:~

Students will learn

- a) Introduction to Coordinate Geometry.
- b) Cartesian System(Abscissa, Ordinate, Quadrant, Origin) .
- c) Plot points in the Cartesian Plane when coordinates are given.

“Coordinate geometry is the branch of mathematics which is a fusion of algebra and geometry. In the honour of Descartes, the subject is called cartesian geometry....”

~ Rene Descartes ...

Evaluation:~

A) Which of the following points lie on y-axis? A(1,1) , B(1,0) , C(0,1) , D(0,0) , E(0,-1)

B) In which quadrant or on which axis each of the following points lie? (-3,5) , (4,-1) , (2,0) , (2,2) , (-3,-6)

HOMEWORK:-

- a) Plot the points $A(1,-1)$ and $B(4,5)$.
- b) Plot the following points $(3,2)$, $(1,-1)$, $(7,-1)$ and write the name of the figure thus obtained.

AHA:~

A) 3 vertices of a rectangle are $(3,2)$, $(-4,2)$ and $(-4,5)$,plot the points and find the coordinates of the fourth vertex.

B) Plot the points $A(1,3)$, $B(1,-1)$, $C(7,-1)$ and $D(7,3)$ on the graph paper. Join them in order and name the figure obtained. Find its area.

THANKING YOU
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