

Chapter 15: Introduction to Graphs.

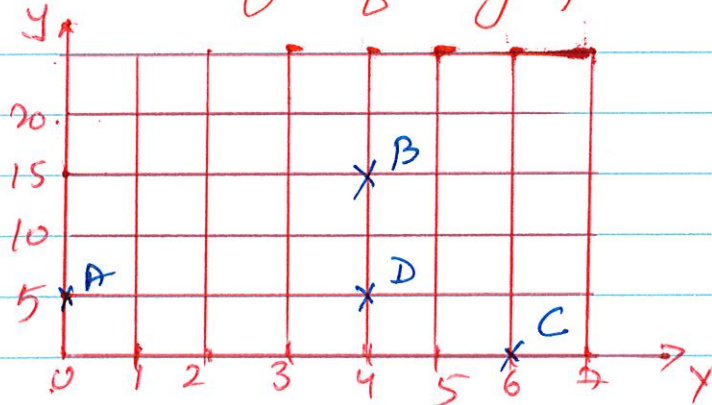
1) Plot the points $A(-5, 0)$, $B(0, 5)$, $C(5, 0)$ and $D(0, -5)$ in the Cartesian plane. Join the points and find the area of the figure formed by joining these points.

2) (a) On a graph sheet, draw the co-ordinate axes and plot each of the following points:
 $A(-4, 4)$, $B(6, -1)$, $C(0, 5)$, $D(-5, 0)$

(b) Join the points A, B, C and D .

(c) Write the co-ordinates of the point of intersection of AB and CD .

3) Write the co-ordinates of the following points shown:



4) Plot a graph:

No. of litres of petrol	10	15	20	25
Cost of petrol (Rs)	500	750	1000	1250

5) A bank gives 10% S.I. on deposits by senior citizens. Draw a graph. Find from graph:

- a) the annual interest obtainable for an investment of Rs. 2500
- b) the investment one has to make to get an annual S.I. of Rs. 70.