ASSIGNMENT
CHAPTER-15

1. Draw the points (5, 4) and (4, 5). Do they represent the same point?
2. Draw a line passing through (2, 1) and (1, 2). Find the coordinates of the points at which this line meets the x-axis and y-axis.
3. Draw the graph for the following table of values of time (in hours) and distances (in km) covered by a car.

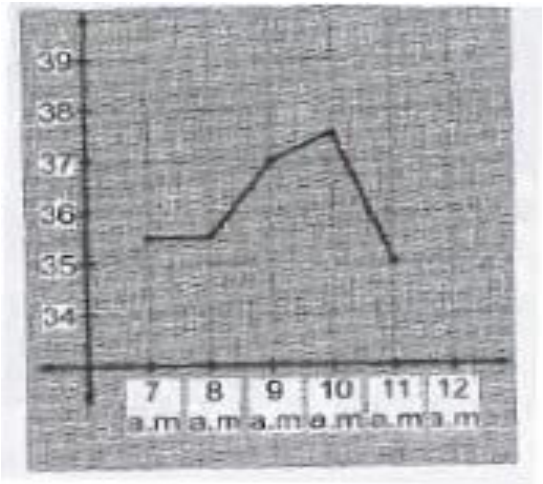
Time (in hours)	7:00	8:00	9:00	10:00
Distance (in km)	60	120	180	240

From the graph, find:

(i) The distance covered by the car during the period 7:00 to 8:00.

(ii) At what time the car would have covered 180 km?

4. The graph shows the temperature of a patient recorded before noon. Read it and answer the following questions.



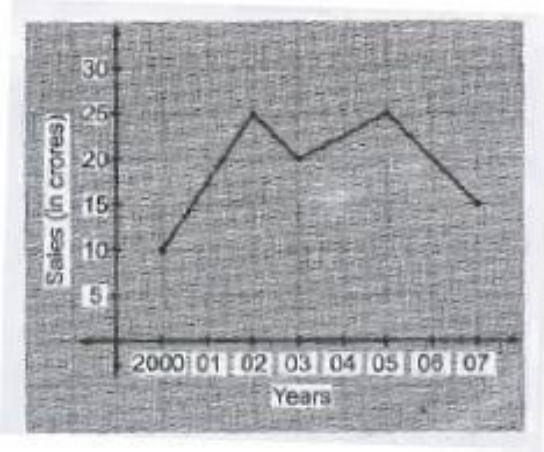
(i) What was patient's temperature at 9 a.m.?

(ii) What the highest temperature of the patient?

(iii) When was the patient's temperature lowest?

(iv) During which period, the patient's temperature remained constant?

5. The graph shows the yearly sales figure of a shoe manufacturing company.



(i) What were the sales in 2000?

(ii) In which year the sales were maximum?

(iii) What is the difference between the sales in the year 2003 and 2005?

6. Draw a linear graph for the following data:

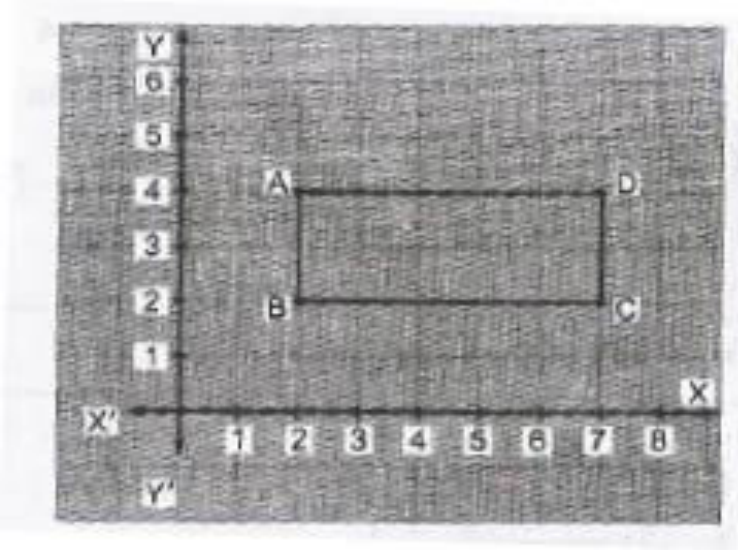
Month	May	June	July	August
Rainfall. (In cm)	5	7	4	6

7. Plot the points on a graph: A(4. 9); B(6, 0); C(7, 7); D(2, 4)

8. Plot the points A (4, 3). B (4, 0), (4, -2), (4, 6) and join them. Do they lie on the same line?

9. Draw a line passing through (4, 5) and (5, 4). Find the coordinates of the points is a straight line.

10. Look at the graph of a rectangle in the figure. What are the coordinates of its vertices?



11. Draw a graph of ΔPQR, the coordinates of whose vertices are P (9, 5), Q(7, 7) and C(9, 9).

12. Draw a 'deposit-interest' graph for the following data:

Deposits(in Rs)	5000	6000	7000	8000	9000
Simple Interest(in Rs) for one year	400	480	560	640	720

From the graph, find the interest on Rs 7500 for 1 year.

13. Show that the linear graph obtained by joining the following points is a straight line.
(6, –3), (6, 1), (6, 4) and (6, 6)