Assignments for Introduction to Graphs

Question 1

The number of electric bulbs manufactured by a factory during five consecutive years is given below.

Years	2006	2007	2007	2008	2009
Number of Bulbs(lakh)	2	8.5	7.0	5	1

Draw the Line graph representing the above data.

Question 2

Plot the points on a graph: P(4, 9) Q(6, 0) R(7, 7) S(2, 4)

Question 3

The number of students in Sandeep coaching institute during last 8 years is given below. Represent this data on the Line graph

Years	2001	2002	2003	2004	2005	2006	2007
Number of Students	100	120	95	130	85	160	100

Question 4

True and False Statement

a) (5,0) lies on x-axis

b) (0,1) lies on x-axis

c) (0,0) is the origin

d) (4,4) is equal distance from both the x-axis and y-axis
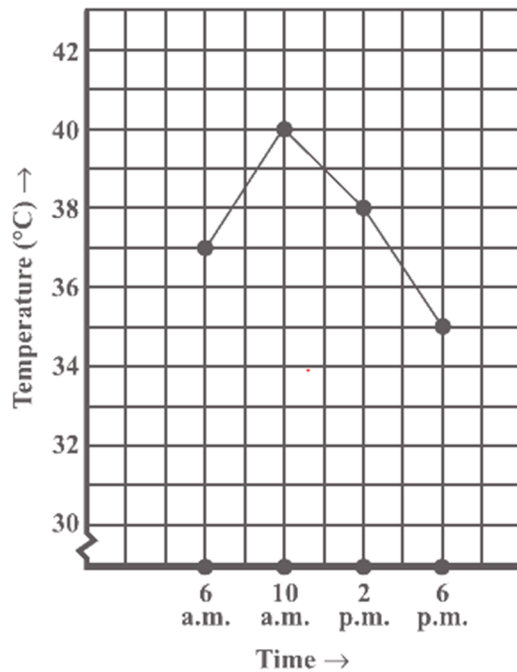
Question 5

The number of trees planted by Government in different years is given below.

Year	2010	2011	2012	2013	2014	2015

Number of Trees to be Planted	150	220	350	400	300	380

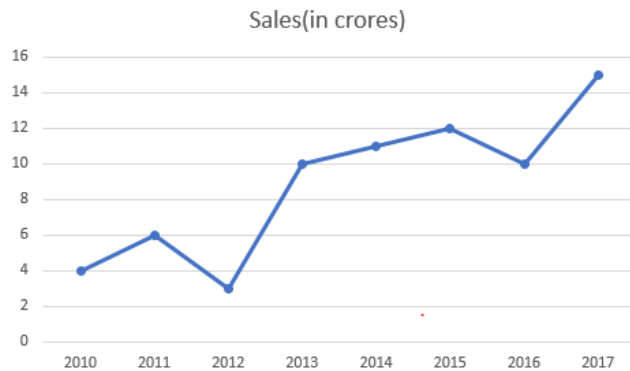Draw the line graph to represent the data.

Question 6.

a) what time temperature was maximum

b) What is the temperature at 6 PM

c) What is the temperature difference between time 6:00 AM and 6:00 PM

Question 7

Draw the points (1, 4) and (4, 1). Do they represent the same point?

Question 8.

Sales(in crores)

What were the sales in

(i) 2012

(ii) 2016

(iii)2007

(iv) 2014

(b) Compute the difference between the sales in 2012 and 2016.

(c) In which year was there the greatest difference between the sales as compared to its previous year?

Question 9

The average monthly attendance of a class is given.

Month	July	Aug	Sep	Oct	Nov	Dec	Jan	Feb
Attendance	40	45	30	50	55	30	35	40

Draw the bar graph of the data given.

Question 10.

Draw the coordinates (2,2) , (2,4) and (4,2) And join these to form the triangle.