UNIT TEST – OCTOBER MONTH   CLASS : 9TH

MATHS   MARKS : 25

I) 2 marks   5x2 = 10

1. Find the distance between the points . (-4, 3), (2,-3).

2. Calculate the distance between the points A (7, 3) and B which lies on the x-axis whose abscissa is 11.

3. Determine whether the given set of points in each case are collinear or not.(a,-2), (a,3), (a,0)

4. Find the distance between the following pairs of points. (1, 2) and (4, 3)

5. Show that the following points taken in order form an equilateral triangle in each case. A(√3,2), B (0,1), C(0,3)

II) 5 marks   5 x2 =10

6. Show that the following points A(3,1), B(6,4) and C(8,6) lies on a Straight line.

7. A (−1, 1), B (1, 3) and C (3, a) are points and if AB = BC, then find 'a.

8. Let A(2, 3) and B(2,-4) be two points. If P lies on the x-axis, such that AP = AB, find the coordinates of P.