WORKSHEET-3

- 1. Show that the following points are the vertices of an isosceles triangle: (4,5), (2,-1), (-3,4)
- 2. Show that the following points are the vertices of a right triangle: (7, 9), (3, -7), (-3,3)
- 3. Verify whether the points A(5,2), B(-9,-3), and C(-3,-5) form a triangle.
- 4. Find the perimeter of the closed figure formed by the points P(2,-4),Q(2,6),(-2,6) and S(-2,-4).
- 5. Find the value of x so that AB=BC where A,B and C are (6,8) .(x,8) and (5,12).
- 6 What point on x-axis is equidistant from (7,6) and (-3,4)?
- 7 The coordinates of A and B are (5,-9) and (11, k). Find the value of k if the distance AB=10 units.
- 8 If A (6,-1), B (1,3) and C (k,8) are three points such that AB = BC, find the value of k.
- 9 Show that the points A (a, b+c), B (b, c+a) and C (c, a+b) are collinear.
- 10 Find all possible values of 'a' for which the distance between the points A(a, -1) and B(5,3) is 5 units.
- 11 Find the circum centre of a triangle whose vertices are (8,6), (8,-2) and (2,-2). Also find its circum radius.
