## **Coordinate Geometry: Worksheet -9**

1. Find the area of the triangle whose vertices are : (-5, -1), (3, -5), (5, 2)

2. Find the value of 'k', for which the points are collinear (8, 1), (k, -4), (2, -5)

3. Find the area of the triangle formed by joining the mid-points of the sides of the Triangle whose vertices are (0, -1), (2, 1) and (0, 3). Find the ratio of this area to the area of the given triangle.







4. Find the area of the quadrilateral whose vertices, taken in order, are (-4, -2), (-3, -5), (3, -2) and (2, 3).