Quadrilateral Worksheet for Class 9

1. If area of a a llgm with sides a and b is A and that of a rectangle with sides a and b is B then,(choose the correct option)

   A > B   A = B   A < B

2. All the angles of the quadrilateral can be obtuse. Is this statement true. Give reason?

3. Diagonals of a parallelogram are perpendicular to each other. Is this statement true? Give reason.

4. The figure formed by joining the mid points of the adjacent sides of a quadrilateral is a _____.

5. The diagonals of a quadrilateral ABCD are equal. Prove that the quadrilateral formed by joining the midpoints of its sides is a rhombus.

6. The lengths of the diagonals of a rhombus are 24cm and 18 cm respectively.Find the length of each side of the rhombus.

7. The bisectors of the angles of a parallelogram enclose a _____.

8. In a quadrilateral PQRS, Opposite angles are equal. If SR= 2cm and PR = 5cm then determine PQ.

9. Prove that the line segments joining the middle points of the sides oaf a triangle divide it into four congruent triangles.