1. If area of a parallelogram 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 24 cm 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 = 2 cm and PR = 5 cm then determine PQ.

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