Choose the correct option (Option 1 to 3)

1. A quadrilateral in which all four sides are equal and diagonals bisect each other at 90° is 
   (a) Rectangle    (b) Rhombus    (c) Kite    (d) Parallelogram

2. To construct a quadrilateral, it is necessary to have at least _______ independent values 
   (a) 5    (b) 4    (c) 3    (d) 6

3. A quadrilateral in which each angle is 90° and having equal diagonals is 
   (a) Rhombus    (b) Parallelogram    (c) Rectangle    (d) Square

4. Construct a quadrilateral NIKE, NI = 5 cm, IK = 4 cm, NE = 3 cm, KE = 6 cm and IE = 5 cm

5. Construct a quadrilateral FINE, FI = 4 cm, IN = 3.2 cm, FE = 4.5 cm, FN = 4.8 cm, IE = 5.5 cm. Measure the side NE.

6. Construct a quadrilateral HUGE, HU = 2.9 cm, UG = 3.2 cm, GE = 2.7 cm, EH = 3.4 cm and angle U = 75°

7. Construct a quadrilateral FLAG, FL = 4.5, LA = 3.5 cm, AG = 4.2 cm, \( \angle L = 40° \) and \( \angle R = 90° \)

8. Construct a quadrilateral PQRS, PQ = 5.5 cm, QR = 3.6 cm, \( \angle P = 60° \), \( \angle Q = 105° \), \( \angle R = 90° \).

9. Construct a rectangle MNPQ, MN = 5.2 cm and diagonal MP = 7.3 cm.

10. Construct a square PQRS each of whose diagonal is 6.2 cm.

11. Construct a rhombus whose diagonals and 6 cm and 7 cm.

12. Construct a parallelogram ABCD, AB = 4 cm, BC = 5.3 cm, \( \angle B = 60° \).

13. Construct a parallelogram PQRS, PQ = 5.1 cm, PS = 4.2 cm and QS = 6 cm.

14. Construct a parallelogram MNPQ, MP = 3.8 cm, NQ = 4.5 cm and the angle between MP and NQ is 60°.

15. Can we construct a quadrilateral, if AB = 6 cm, BC = 9 cm, \( \angle A = 75° \), \( \angle B = 150° \), \( \angle C = 140° \)? Give reasons for your answer.