Chapter 4: Practical Geometry

1) Construct a quadrilateral PQRS where PQ = 4cm, QR = 6 cm, RS = 5 cm, PS = 5.5 cm and PR = 7 cm.

2) Construct a quadrilateral ABCD, given that BC = 4.5 cm, AD = 5.5 cm, CD = 5 cm, the diagonal AC = 5.5 cm, diagonal BD = 7 cm.

3) Construct a quadrilateral MIST where MI = 3.5 cm, IS = 6.5 cm, LM = 75°, LI = 105° and LS = 120°

4) Construct a quadrilateral ABCD, where AB = 4 cm, BC = 5 cm, CD = 6.5 cm and LB = 105° and LC = 80°

5) Draw a square of side 4.5 cm

6) Is it possible to construct a rhombus ABCD where AC = 6 cm and BD = 7 cm. Justify your answer.

7) Construct a quadrilateral MORE given that MO = 5 cm, ME = 4 cm, OR = 6 cm, LM = 100 and LO = 120°