INDIAN SCHOOL MUSCAT

SENIOR SECTION

DEPARTMENT OF MATHEMATICS

BRIDGE COURSE

Worksheet on Basic constructions

CLASS IX

1. Draw a line segment BC = 5.5cm. Find its perpendicular bisector.

2. Draw a line segment PQ = 6.5 cm. Find its mid point.

3. Draw an angle of measure 90° and bisect it.

4. Construct an equilateral triangle in which PQ = QR = PR = 6 cm. What is the measure of its each angle?

5. Construct a triangle ABC when AB = 5 cm, ∠A = 30° and ∠B = 60°.

6. Draw a circle of radius 5 cm. Draw a chord not passing through the centre and draw its perpendicular bisector. Does perpendicular bisector of the chord pass through the centre of the circle?

7. Draw each of the following angles:
   30°, 60° , 120° , 75° , 105° , 135°.

8. Construct an isosceles triangle with base = 6cm and its altitude 4cm.