**MINIMUM LEVEL LEARNING**

**CHAPTER :TRIANGLES CLASS :IX**

**LEVEL-1**

1. Triangle ABC is an isosceles right angled triangle in which <A = 900. Find <B.
2. Find in∆ABC if AB =AC and 0
3. Show that of all line segments drawn from a given point not on it ,the perpendicular is the shortest side.
4. Prove that two triangles are congruent if any two angles and the included side of one triangle is equal to any two angles and the included side of the other triangle.
5. Prove that the angles opposite to equal angles of a triangle are equal.
6. In0 and 0.Which side of this triangle is the longest ?
7. Show that in a right angled triangle , the hypotenuse is the longest side .
8. Show that the angles of an equilateral triangle are 600 each.

**SOLUTIONS**

SOL 1 : ∆ABC is an isosceles right angled triangle

0

0

SOL 2 : 0

Sol 3 : Correct prove.

SOL 4 : Correct prove.

SOL 5 : Correct prove

SOL 6 : Draw a triangle PQR

Find 0 ( Angle sum property of triangles )

RQ is the longest side . Opposite side of greatest angle.

SOL 7 : Correct prove.

SOL 8 : Correct prove.