

Name: _____					Subject: Math	Class: 9 <sup>th</sup>	Time: 60 minutes	Total Marks: 30	
Unit Number: 10		MJDexpert.com				Obtained marks			

**Q.No.1 Choose the correct Answer. (6 × 1 = 6)**

1. A ray has end points:

- a) 1                      b) 2                      c) 3                      d) 4

2. In a right angled triangle there can be \_\_\_\_ right angles:

- a) One                      b) Two                      c) Finite                      d) Infinite

3. If one angle of a triangle is 30°, the hypotenuse is \_\_\_\_ long as its opposite side.

- a) Twice                      b) Three times                      c) Four time                      d) Equally

4. If the bisector of angle of triangle bisects the side opposite to it then the triangle is:

- a) Isosceles                      b) Right Angled                      c) Scalene                      d) Oblique

5. The symbol used for (1-1) correspondence is:

- a) →                      b) ↑                      c) ⇔                      d) ↔

6. Two lines intersect at only \_\_\_\_ point(s).

- a) One                      b) Two                      c) Three                      d) Infinite

**Q.No.2: Give the Short Answers. (6 × 2 = 12)**

**i.** Define Congruent triangles.

**ii.** Define A.S.A Postulate.

**iii.** Define S.A.S Postulate

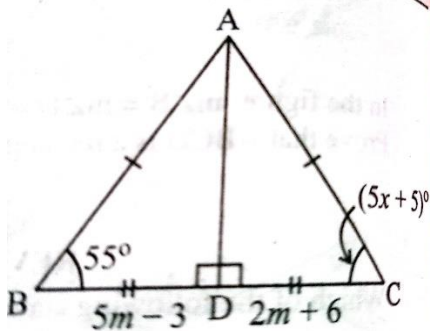
**iv.** Define A.A.A Postulate.

**v.** Define S.S.S Postulate.

**vi.** Define H.S postulate.

**Q.No.3: Give the long answers. (4 + 8 = 12)**

a) Find the value of unknowns in the given triangle



b) Prove that Any point on the right bisector of a line segment is equidistant from its end points.

**"Simplicity is the ultimate sophistication"**