OBJECTIVE

1. In a right angled triangle, the square of the length of hypotenuse is equal to the ____ of the squares of the lengths of the other two sides

(a) Sum
(b) Difference
(c) Zero
(d) None

2. If the square of one side of a triangle is equal to the sum of the squares of the other two sides then the triangle is a _____ triangle.

(a) Right angled
(b) Acute angled
(c) Obtuse angled
(d) None

3. Let c be the longest of the sides a, b and c of a triangle. If $a^2 + b^2 = c^2$, then the triangle is ___:
   (a) Right
   (b) Acute
   (c) Obtuse
   (d) None

4. Let c be the longest of the sides a, b and c of a triangle. If $a^2 + b^2 > c^2$ then triangle is:
   (a) Acute
   (b) Right
   (c) Obtuse
   (d) None

5. Let c be the longest of the sides a, b and c of a triangle of $a^2 + b^2 < c^2$, then the triangle is:
   (a) Acute
   (b) Right
   (c) Obtuse
   (d) None

6. If 3cm and 4cm are two sides of a right angled triangle, then hypotenuse is;
   (a) 5cm
   (b) 3cm
   (c) 4cm
   (d) 2cm

7. In right triangle ____ is a side opposite to right angle.
   (a) Base
   (b) Perpendicular
   (c) Hypotenuse
   (d) None

ANSWER KEY

1.	a	**2.**	a	**3.**	a	**4.**	a	**5.**	c
6.	a	**7.**	c						