International Indian School, Riyadh

Final term worksheet 2012-2013

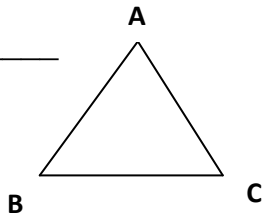
Class: V

Mathematics

Ln. 19 : TRIANGLE

I. Fill in the blanks :

1. A figure bounded by three line segments is called _____ .
2. The intersection of two sides of a triangle is called a _____ of the triangle.
3. A triangle has _____ sides.
4. A triangle has _____ angles.
5. A triangle has _____ vertices.
6. The line segments AB, BC and CA are called _____ of the triangle.



7. A triangle which has all its sides of different length is called a _____ triangle.
8. A triangle is called _____ if it has an angle of measure 90^0.
9. The sum of the measures of three angles is _____.
10. A triangle cannot have more than one _____ angle.
11. A triangle whose two sides are equal is called an _____ triangle.
12. Each angle of an equilateral triangle is _____.

13. The side opposite to the right angle is called the _____.

14. A triangle is called _____ if all its angles are acute.

15. The sum of the lengths of any two sides of a triangle is _____ than the length of the third side.

16. A triangle whose three sides are equal is called an _____ triangle.

17. A triangle is called right angled if _____.

18. If in the Δ ABC, AB = BC = CA, then Δ ABC is _____

19. If in the Δ PQR, PQ = PR then Δ PQR is _____

20. If in the Δ XYZ, $\angle Y = 90^0$, then the hypotenuse is _____.

21. If in the Δ ABC, $\angle A = 60^0$, and $\angle C = 30^0$, then the triangle is _____

22. A triangle is called _____ .

23. In $\angle PQR$ the vertex is _____ and the arms are _____ and _____.

II Subjective type question :

1. In Δ ABC, if $\angle A = 40^0$, and $\angle B = 80^0$, then find $\angle C$ = ?

2. In an isosceles Δ XYZ, if $\angle X = \angle Y = 70^0$, then find $\angle Z$ = ?

3. In Δ XYZ, $\angle X = \angle Y = \angle Z$ find each of them.

4. In Δ PQR, if $\angle Q = \angle R$ and $\angle P = 90^0$, then find $\angle Q$ = and $\angle R$.

5. In which of the following cases is a triangle possible with given group of sides?

   i) 3 cm, 4 cm, 5 cm

   ii) 6 cm, 7 cm, 13 cm.

   iii) 3 cm, 4 cm, 1 cm

   iv) 5 cm, 12 cm, 15 cm.

6. In which of the following cases is the construction of a triangle possible ?

i) 80^0, 55^0, 45^0,

ii) 75^0, 86^0, 20^0,

iii) 90^0, 40^0, 50^0,

iv) 100^0, 35^0, 55^0,