

THE INDIAN HEIGHTS SCHOOL**CLASS -VII****SUBJECT- Mathematics****WORKSHEET- Triangle and its Properties****NAME-****DATE- 9.9.13**Q1 Write the six elements (i.e. three sides and three angles) of $\triangle ABC$.

Ans:_____

Q2 (i)Write

(a) The side opposite to the vertex Q of $\triangle PQR$ is_____(b) The angle opposite to the side LM of $\triangle LMN$ is_____(c)The vertex opposite the side RT of $\triangle RST$ is_____

Q2(ii) Classify the triangles according

(a)Sides :-

(b)Angles_____

Q3 Complete the sentence

(a)A triangle is a _____ curve made of _____ line_____.

It has _____ vertices_____ angles and _____ sides.

(b)A median connects a vertex of a triangle to the _____ of the _____ side.

(c) A triangle has _____ medians

(d) An exterior angle of a triangle is equal to the _____ of its _____ opposite _____.

(e)The _____ line _____ drawn from a vertex of a triangle to its _____ side is called an altitude of the triangle.

(f) A triangle has _____ altitudes.

(g)The total measure of the three angles of a triangle is_____.

(h)A triangle which has three sides equal is called an _____.

(i)Each angle of an equilateral triangle is of measure _____.

(j)A triangle which has two sides equal is called an_____.

(k)The unequal side of an isosceles triangle is called its_____.

(l)The base angles of an isosceles triangle are_____.

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

(n) The difference of the lengths of any two sides of a triangle is _____ than the length of the third side.

(o) The longest side of a right angled triangle is the _____.

(p) The longest side in $\triangle PQR$, right angled at P is _____.