Triangle and its Properties: Worksheet -3

1) Take a rectangular sheet of paper. Cut a right-angle triangle at one of its corners. Cut two angles other than the right angle. Place the other two angles at the vertex where the right angle is formed in such a way that they all coincide with each other. State your opinion about the sum of the three angles of a triangle.

2) Draw an obtuse angled triangle. Cut this triangle without cutting the three angles. Verify the sum property of the triangle.

3) The angle I of a triangle IJK is 94°. If the difference of the angles J and K (J > K) is 10°, then find the angles J and K.

4) In an isosceles triangle, the base angle is four times, as large as vertex angle, find the angles of the triangle.