

- A simple closed figure made by three line segments is called a triangle. it is denoted by symbol Δ
- Area inside the triangular region is called interior region of the triangle.
- A triangle has three vertices three angles and three sides.
- Sum of interior angles of a triangle is 180° .
- An exterior angle of a triangle is equal to the sum of two interior opposite angles.
- The sum of the length of any two sides of a triangle is greater than the length of the third side.
- In a right triangle the square of the hypotenuse is equal to the sum of the square of the other two sides. This is known as Pythagoras theorem.

$$(\text{Perpendicular})^2 + (\text{Base})^2 = (\text{Hypotenuse})^2$$

