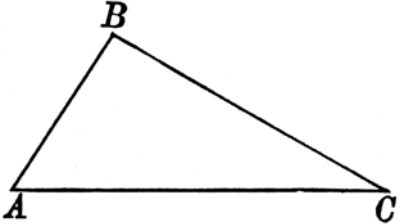# TRIANGLES

A **triangle** is a simple closed curve made up of three line segments. It has 3 vertices, 3 sides and 3 angles.

Or a polygon with 3 sides is a triangle.

Sides	AB, BC, CA	
Angles	∠BAC, ∠ABC, ∠BCA	
Vertices	A, B, C	

Types of triangles:

On the basis of sides:

1) **Scalene Triangle:** All three sides are unequal.
2) **Isosceles Triangle:** Any two sides are equal.
3) **Equilateral Triangle:** All three sides are equal.

On the basis of angles:

1) **Acute angled Triangle:** All three angles are acute.
2) **Obtuse angled Triangle:** One obtuse angle and two acute angles.
3) **Right angled Triangle:** One angle is a right angle and two acute angles.