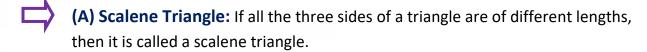
## **Triangles**

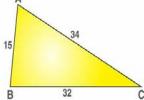
5	Elements of Triangles: A triangle has six parts, namely three sides and three
	angles which are called the elements of a triangle.

Classification of Triangles on the basis of sides:

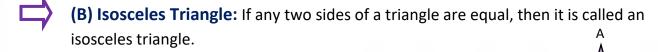


**Example:** In the figure,  $\triangle$ ABC is a scalene triangle with AB = 15, BC = 32, and CA = 34.

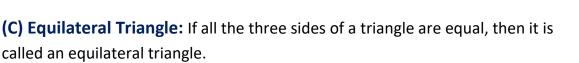
i.e.,  $AB \neq BC \neq CA$ 



3



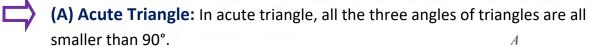
**Example:** In the figure,  $\triangle$ ABC is an isosceles triangle with AB = 5,

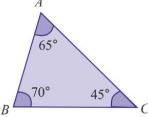


**Example:** In the figure, given triangle is equilateral triangle with each side is of 8 cm.

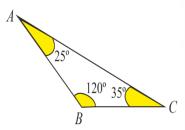
## **Triangles**

Classification of Triangle on the basis of Angles:





(B) Obtuse Triangle: In Obtuse triangle, one angle of triangle is greater than 90°.



(C) Right Triangle: In Right Triangle, one angle of triangle is of 90°.

