



### Properties of Triangles Ex 15.1 Q6

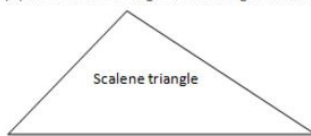
**Answer :**

A triangle is a plane figure formed by three non-parallel line segments, whereas, a triangular region is the interior of a triangle along with the triangle itself.

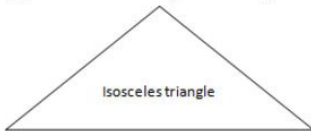
### Properties of Triangles Ex 15.1 Q7

**Answer :**

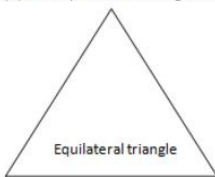
- (i) A triangle is a plane figure formed by three non-parallel line segments.
- (ii) The three sides and the three angles of a triangle are together known as the parts or elements of that triangle.
- (iii) A scalene triangle is a triangle in which no two sides are equal.



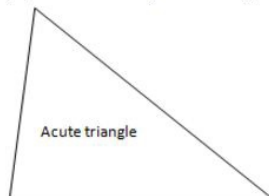
- (iv) An isosceles triangle is a triangle in which two sides are equal.



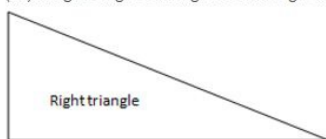
- (v) An equilateral triangle is a triangle in which all three sides are equal.



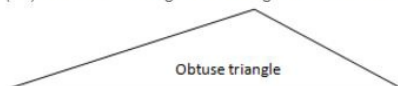
- (vi) An acute triangle is a triangle in which all the angles are acute (less than  $90^\circ$ ).



- (vii) A right angled triangle is a triangle in which one angle is right angled, i.e.  $90^\circ$ .



- (viii) An obtuse triangle is a triangle in which one angle is obtuse (more than  $90^\circ$ ).



- (ix) The interior of a triangle is made up of all such points that are enclosed within the triangle.
- (x) The exterior of a triangle is made up of all such points that are not enclosed within the triangle.

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