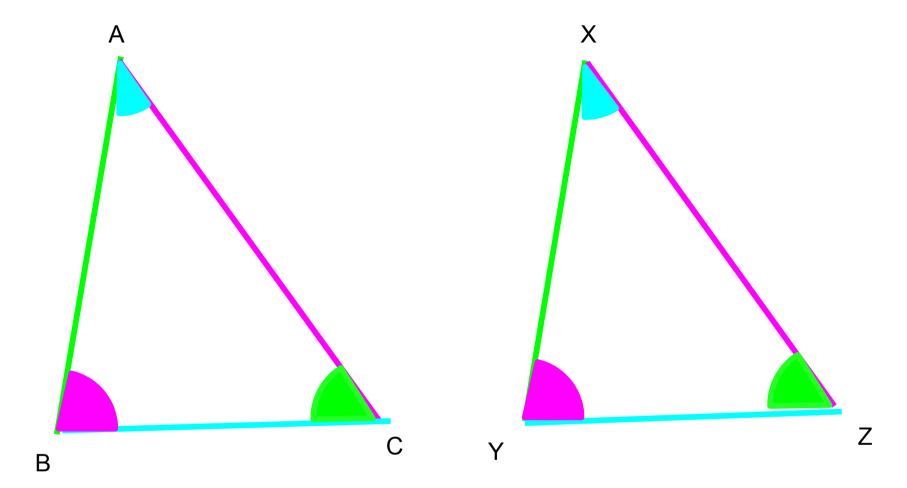
Congruent Triangles

 If given two similar triangles, the ratio of two corresponding sides is 1, then the two triangles are known as congruent triangles.

 In other words we say two triangles are congruent if the corresponding angles and the corresponding sides are equal.



Note that in $\triangle ABC$ and $\triangle XYZ$ $\triangle ABC = \triangle XYZ$, $\triangle BAC = \triangle YXZ \triangle ACB = \triangle XZY$ Also ℓ AB = ℓ XY, ℓ BC= ℓ YZ and ℓ AC = ℓ XZ

Hence $\triangle ABC$ and $\triangle XYZ$ are congruent. Denoted by $\triangle ABC \equiv \triangle XYZ$.

CONGRUENT TRIANGLES ALWAYS

Type of Triangle	Sides of both the Triangle	Angles of both the Triangle
SSS	All three sides are equal	
SAS	2 sides are equal	The included Angle is equal
ASA	Included side is equal	Two angles are equal
AAS	Non- included side are equal	Two angles are equal
Hyp-S	Hypotenuse and a side are equal	Right angled triangle

Reference

For more explanations and Diagrams you can refer

http://argyll.epsb.ca/jreed/math9/strand3/triangle_congruent.htm