

## Definition

Congruent Triangles	Triangles whose corresponding sides have the same length and whose corresponding angles have the same measure.
Postulate	
Triangle Sum Postulate	The sum of the angles in a triangle is 180°.
Theorems	
Exterior Angle Theorem	The measure of an exterior angle is equal to the sum of the measures of the two remote angles.
Two triangles are congruent	
if they have the following sets of congruent corresponding parts:	
Side-Side-Side (sss)	All three sides
Side-Angle-Side (sAs)	Two sides and their included angle
Angle-Side-Angle (ASA)	Two angles and their included side
Angle-Angle-Side (AAs)	Two angles and an adjacent side
Hypotenuse-Leg (нL)	The hypotenuse and one leg of a right triangle

If you know two triangles are congruent...

Corresponding Parts of Congruent Triangles are Congruent (CPCTC)

If two triangles are congruent, their corresponding parts are also congruent.