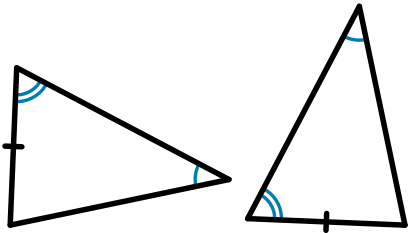
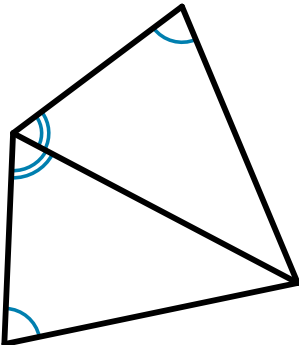
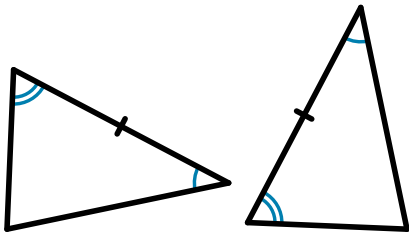


Angle-Angle-Side (AAS) Congruence Theorem

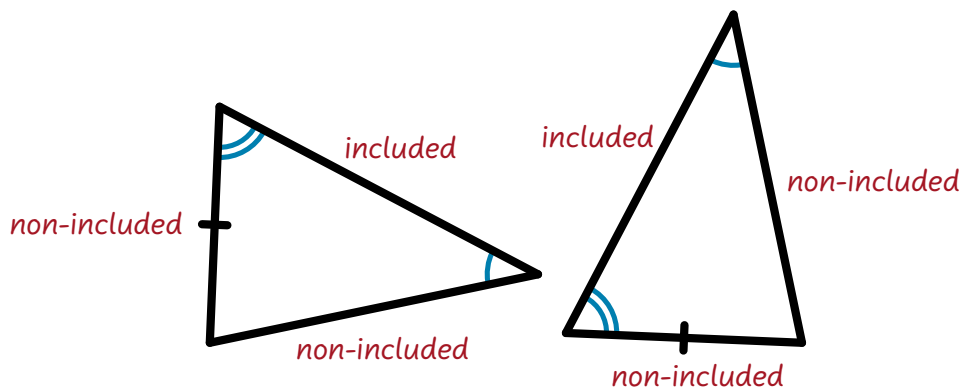
Examples & Non-Examples

Example	Example	Non-Example
		

Definition

The **Angle-Angle-Side (AAS) Congruence Theorem** states:

If two angles and a non-included side of one triangle are congruent to two angles and the corresponding non-included side of another triangle, then the two triangles are congruent.



Key points:

- The side is **not** between the two angles (that would be ASA).
- Once two pairs of angles are known to be congruent, the third angle must also be congruent (Triangle Sum Theorem), so effectively AAS is just another case of ASA.