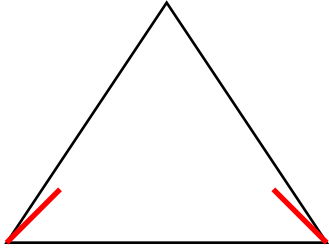


Triangle Similarity & Congruence

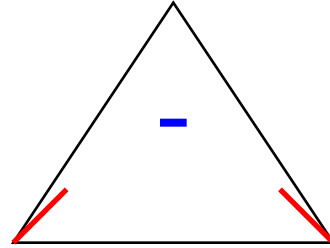
AA · ASA · AAS · SSS



AA

AA – Angle–Angle

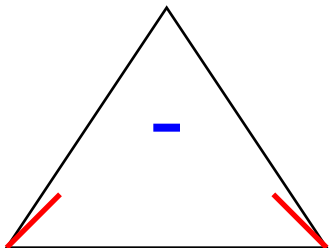
If two angles of one triangle equal two angles of another, the triangles are **similar** (same shape, different size possible).



ASA

ASA – Angle–Side–Angle

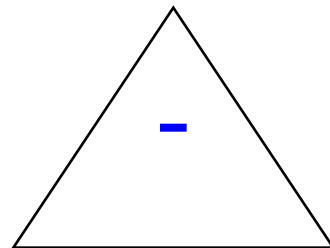
If two angles and the **included side** are equal, the triangles are **congruent** (same shape and same size).



AAS

AAS – Angle–Angle–Side

If two angles and a **non-included side** are equal, the triangles are **congruent**.



SSS

SSS – Side–Side–Side

If all three sides of two triangles are equal, the triangles are **congruent**.

Quick Reminder

AA → Similar only (not congruent)
ASA, AAS, SSS → Congruent triangles
AAA does NOT prove congruence