

Triangle Proofs

4 ways to prove triangles congruent:

1. SSS Postulate
2. SAS Postulate
3. ASA Postulate
4. AAS Theorem

SSS – If three sides of one triangle are congruent to three sides of another triangle, then the triangles are congruent.

SAS – If two sides and the included angle of one triangle are congruent to the corresponding parts of another triangle, then the triangles are congruent.

ASA – If two angles and the included side of one triangle are congruent to the corresponding parts of another triangle, then the triangles are congruent.

AAS – If two angles and the nonincluded side of one triangle are congruent to the corresponding parts of another triangle, then the triangles are congruent.