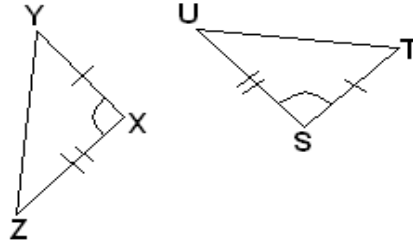


Congruence Properties

Two triangles are congruent if:

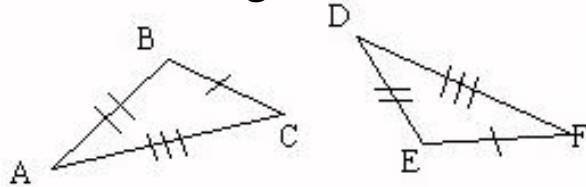
1. Two sides and the angle in between them of one triangle are congruent to the corresponding parts of the other triangle.

Side-Angle-Side (SAS)



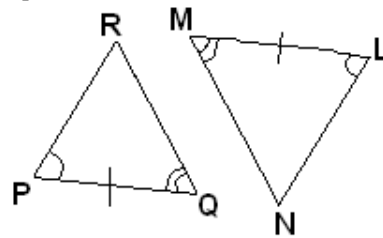
2. Three sides of one triangle are congruent to the corresponding sides of the other triangle.

Side-Side-Side (SSS)



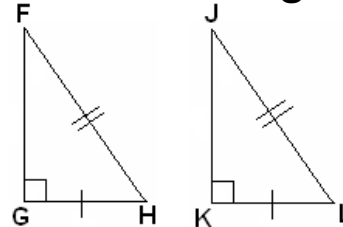
3. Two angles and the side in between them of one triangle are congruent to the corresponding parts of the other triangle.

Angle-Side-Angle (ASA)



4. The hypotenuse and one leg of a right triangle are congruent to the corresponding sides of the other triangle.

Hypotenuse-Leg (HL)



5. One angle and the side opposite it along with a second angle of one triangle are congruent to the corresponding parts of the other triangle. Angle-Side-Angle (ASA)

