# Triangle Congruence Theorems

## SSS

If 2 triangles have 3 pairs of congruent sides, then the triangles are congruent.

## SAS

If 2 sides and the included angle of a triangle are congruent to the corresponding 2 sides and included angle of another triangle, then the 2 triangles are congruent.

## AAS

If 2 triangles have 2 pairs of congruent angles and the sides not between them are congruent, then the triangles are congruent.

## ASA

If 2 angles and the included side of a triangle are congruent to that of another triangle, then the 2 triangles are congruent.
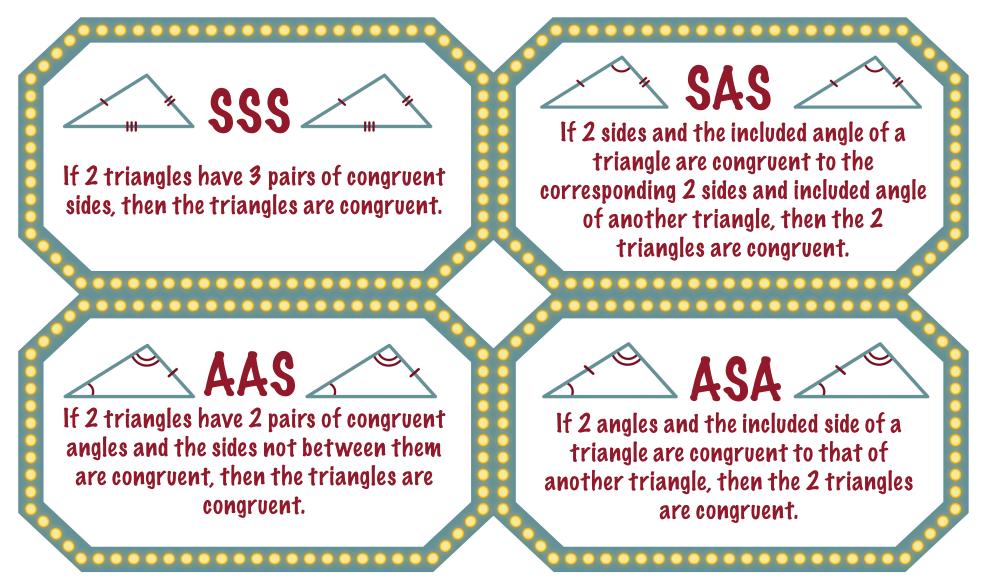
**HL (Hypotenuse-Leg):**
If the corresponding hypotenuses and sides on 2 <u>right triangles</u> are congruent, then the 2 triangles are congruent.