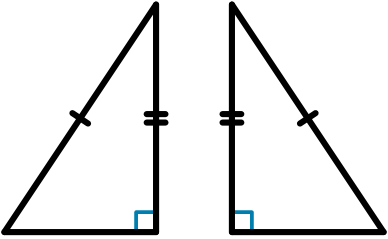
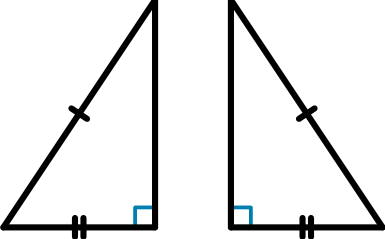
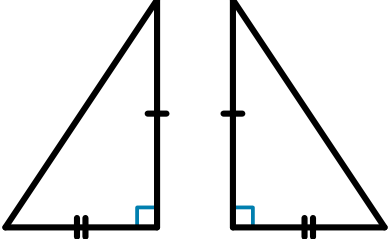


Hypotenuse-Leg (HL) Congruence Theorem

Examples & Non-Examples

Example	Example	Non-Example
		

Definition

Hypotenuse-Leg (HL) Congruence Theorem: In a right triangle, if the hypotenuse and one leg of one triangle are congruent to the hypotenuse and one leg of another right triangle, then the two triangles are congruent.

Key points:

- Applies **only** to right triangles.
- Uses the fact that all right triangles have one right angle, so the angle is already known.
- The hypotenuse is the side opposite the right angle, and the legs are the two sides that form the right angle.
- This theorem is sometimes called the **Right Triangle Congruence Theorem**.

