

Study Guide

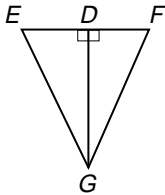
Right Triangles

Two right triangles are congruent if one of the following conditions exist.

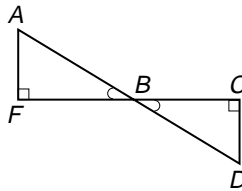
Theorem 5-5 LL	If the legs of one right triangle are congruent to the corresponding legs of another right triangle, then the triangles are congruent.
Theorem 5-6 HA	If the hypotenuse and an acute angle of one right triangle are congruent to the hypotenuse and corresponding acute angle of another right triangle, then the two triangles are congruent.
Theorem 5-7 LA	If one leg and an acute angle of one right triangle are congruent to the corresponding leg and acute angle of another right triangle, then the triangles are congruent.
Postulate 5-1 HL	If the hypotenuse and a leg of one right triangle are congruent to the hypotenuse and corresponding leg of another right triangle, then the triangles are congruent.

State the additional information needed to prove each pair of triangles congruent by the given theorem or postulate.

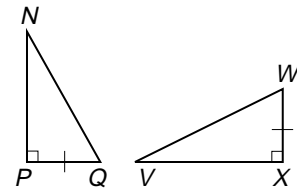
1. HL



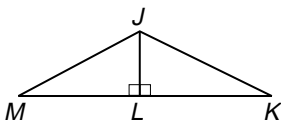
2. HA



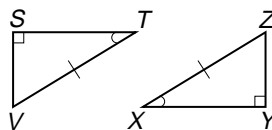
3. LL



4. LA



5. HA



6. LA

