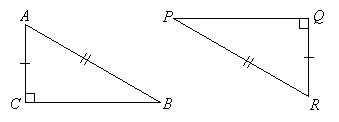
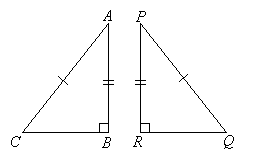
In the following right triangles Δ*ABC* and Δ*PQR* , if *AB* = *PR*, *AC = QR* then Δ*ABC*

≅ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ because of the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.



***Example 1:***

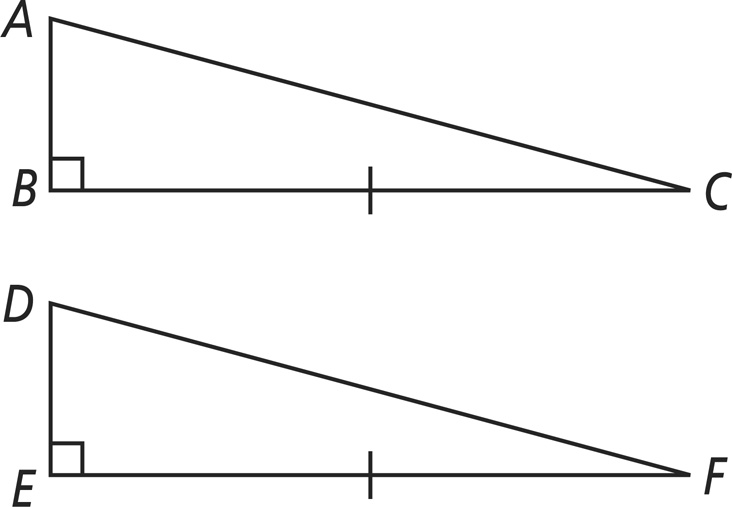
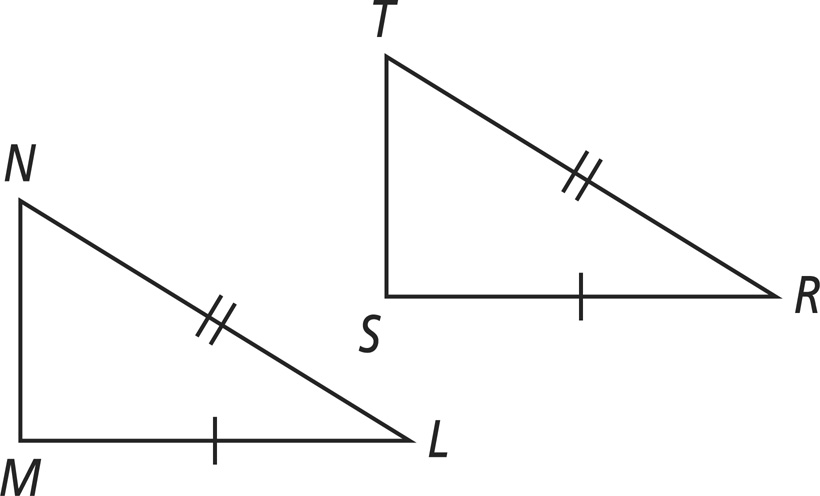
Hypotenuse-Leg can be sued to prove that the two triangles below are congruent. List the congruent parts and then write a congruency statement.

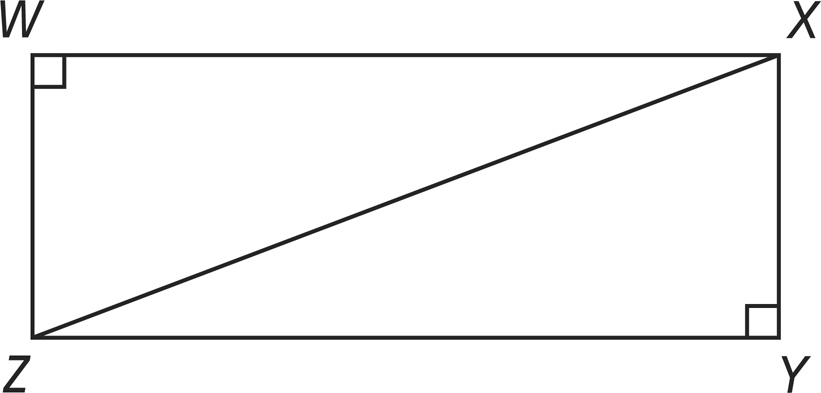
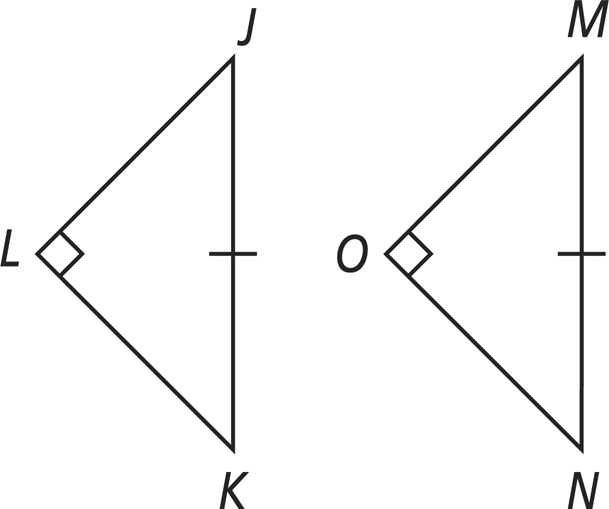
Congruent parts: Hypotenuse:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Leg: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Congruency Statement:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

1-4 Fill in the missing information so that Hypotenuse Leg can be used to show that the triangles below are congruent:

**1. 2.**

**3. 4.**

**5-8 Algebra For what values of *x* or *x* and *y* are the triangles congruent by HL?**

**5. 6.**

**7. 8.**