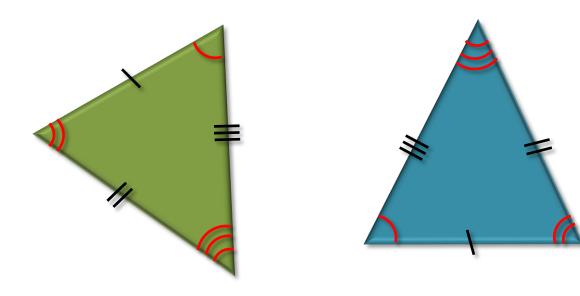
## Proving Triangle Congruence by SAS, SSS, and HL

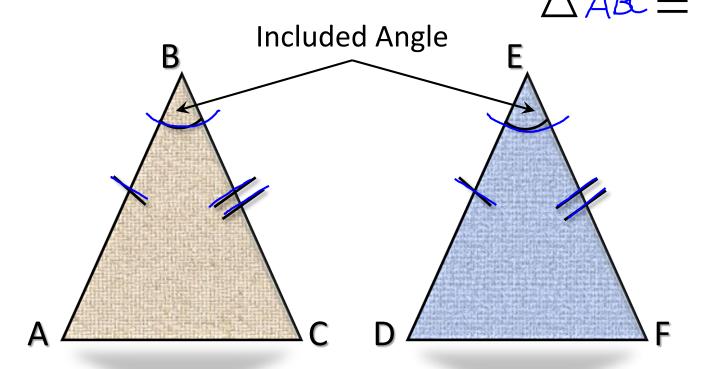
Sections 5.3 & 5.5

# Congruent Triangles

- Triangles with the exact same size and shape.
  - All angles and sides have congruent measurements



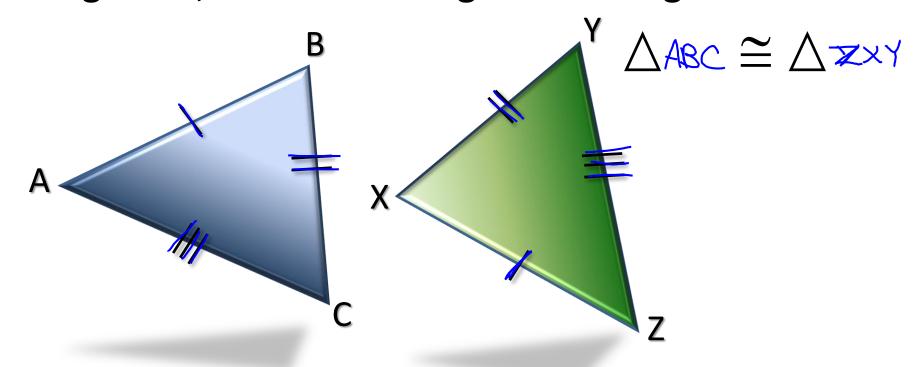
Notes for SAS Theorem
Foldable Foldable SAS Theorem sides and the included angles of two triangles are congruent, then the triangles are congruent. △ABC ≅ △DEF



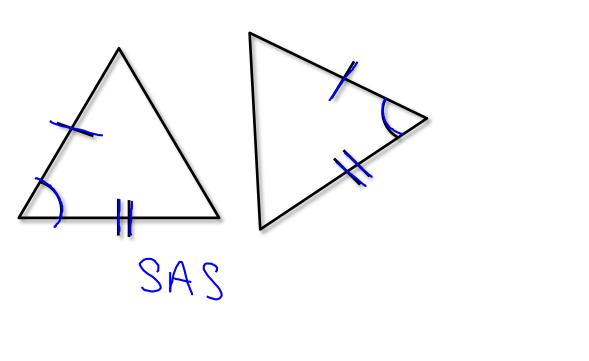


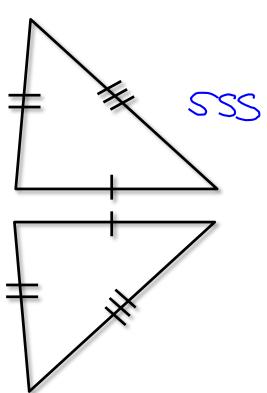
#### SSS Theorem

If the corresponding sides of two triangles are congruent, then the triangles are congruent.

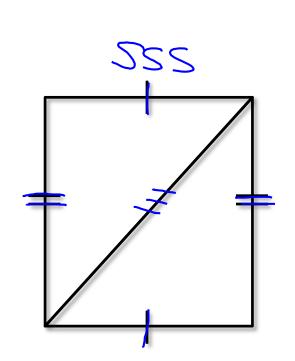


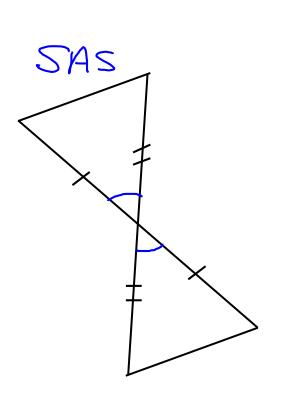
Name the theorem that makes each triangle congruent if possible.

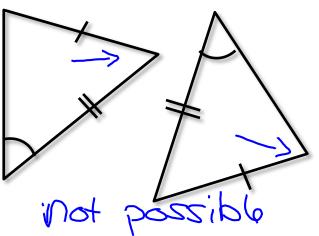




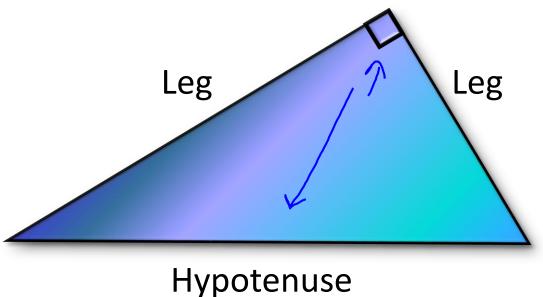
Name the theorem that makes each triangle congruent if possible.







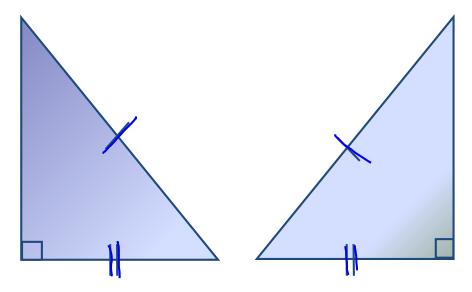
# Right Triangle Anatomy



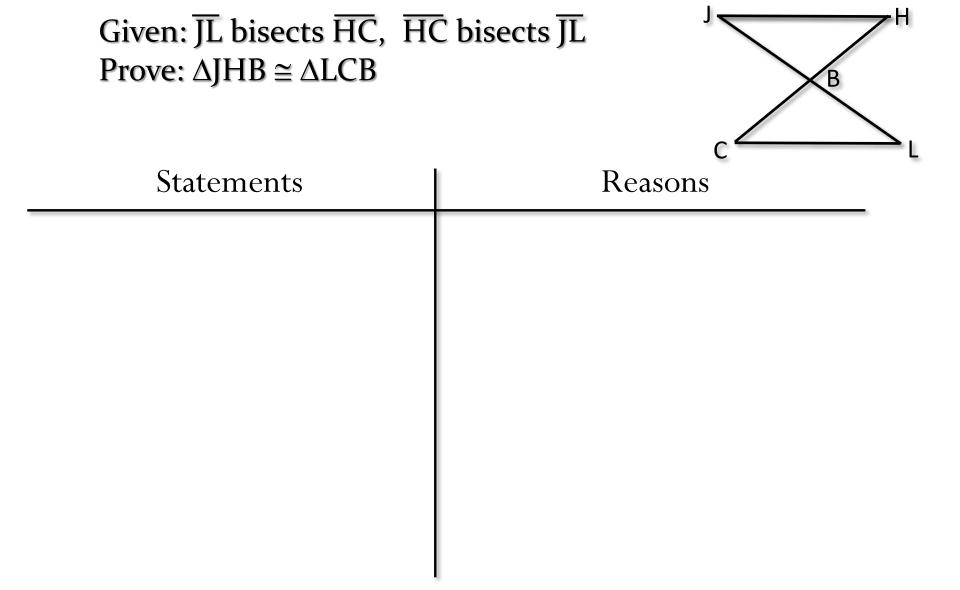


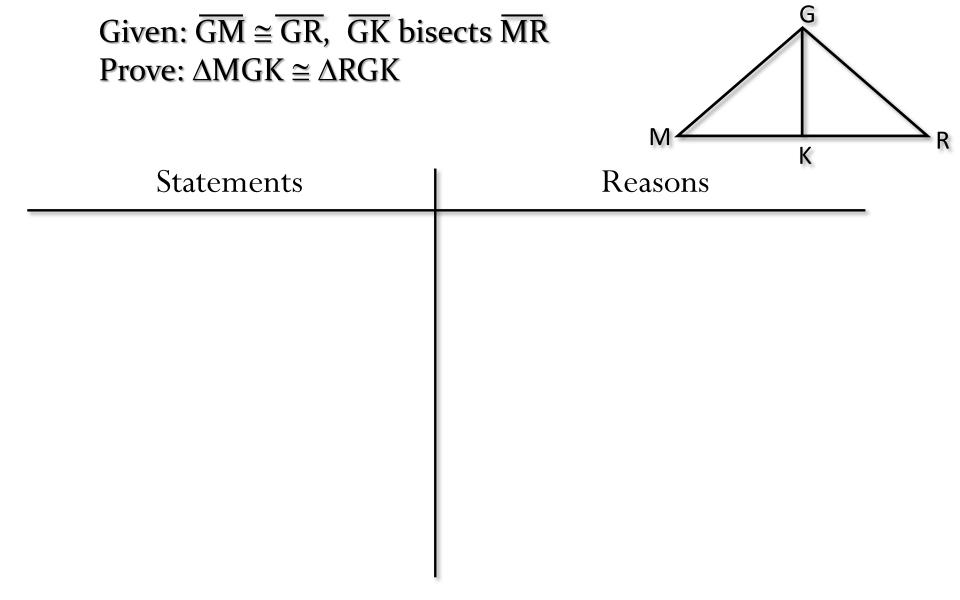
#### **HL Theorem**

If the hypotenuse and leg of one right triangle are congruent to the corresponding parts of another right triangle, then the two triangles are congruent.



### Lessons 5.3 & 5.5 Day 2





p.249 (3-17); p.266 (3-10, 13-15)