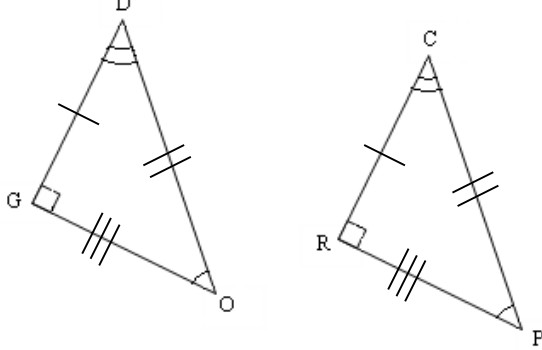


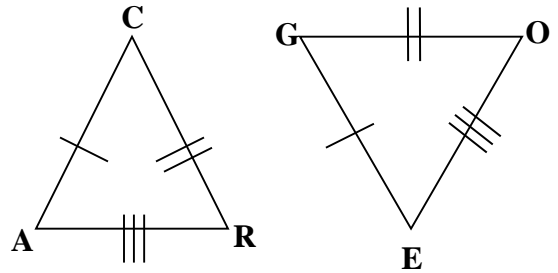
Unit 16: Review for Triangle Congruence

I. Name the congruent triangles.

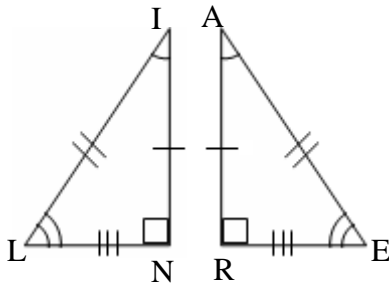
1. $\triangle QGD \cong \triangle$ _____



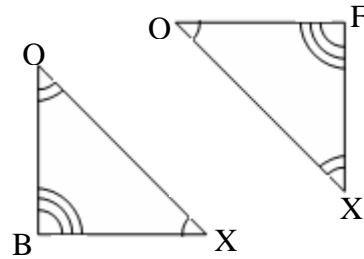
2. $\triangle RAC \cong \triangle$ _____



3. $\triangle LIN \cong \triangle$ _____

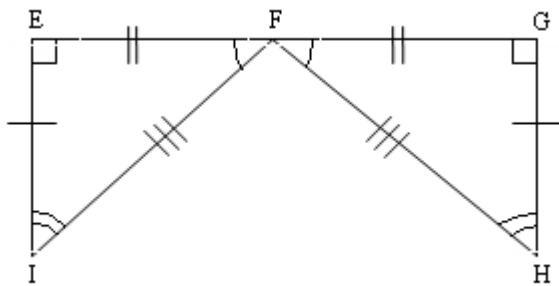


4. $\triangle FOX \cong \triangle$ _____



II. Name the congruent triangle and the congruent parts..

5.



$\triangle FGH \cong \triangle$ _____

$\angle EFI \cong \angle$ _____

$\overline{FG} \cong$ _____

$\angle G \cong \angle$ _____

$\overline{GH} \cong$ _____

$\angle H \cong \angle$ _____

$\overline{FH} \cong$ _____

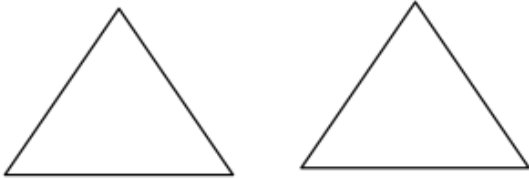
Use the congruency statement to fill in the corresponding congruent parts.

6. $\triangle EFI \cong \triangle HGI$ $\angle E \cong \angle$ _____ $\overline{FE} \cong$ _____ $\angle EFI \cong \angle$ _____

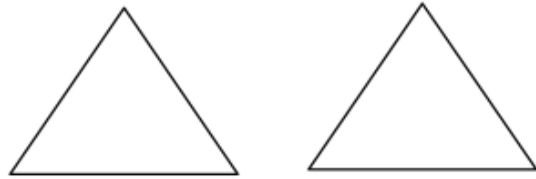
$\overline{FI} \cong$ _____ $\angle FIE \cong \angle$ _____ $\overline{IE} \cong$ _____

7. Using the given information, mark the figures. Then find the missing congruence needed to prove the triangles are congruent by the indicated method.

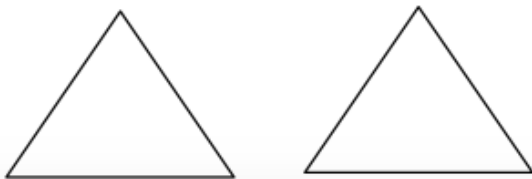
a. Given: $\angle A \cong \angle R$ and $\angle B \cong \angle S$
 Prove: $\triangle ABC \cong \triangle RST$ by ASA
 Missing Part: _____



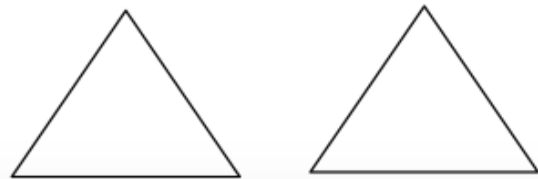
b. Given: $\overline{AB} \cong \overline{RS}$ and $\angle A \cong \angle R$
 Prove: $\triangle ABC \cong \triangle RST$ by AAS
 Missing Part: _____



c. Given: $\overline{AB} \cong \overline{RS}$ and $\overline{AC} \cong \overline{RT}$
 Prove: $\triangle ABC \cong \triangle RST$ by SAS
 Missing Part: _____

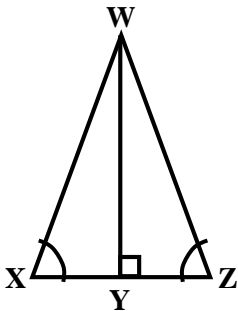


d. Given: $\overline{BC} \cong \overline{ST}$ and $m\angle A = m\angle R = 90^\circ$
 Prove: $\triangle ABC \cong \triangle RST$ by HL
 Missing Part: _____

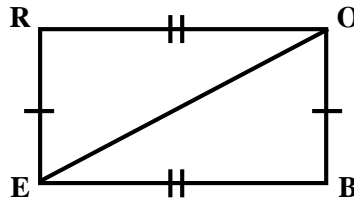


Is it possible to prove that the triangles are congruent? If so, state the postulate or theorem you would use.

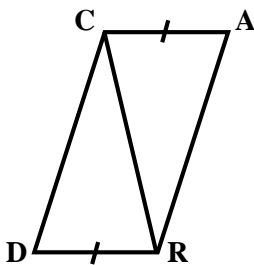
8.



9.



10.



11

