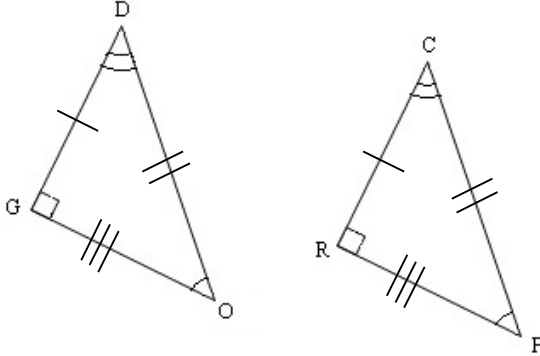


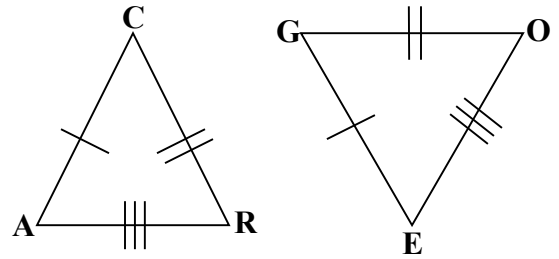
UNIT #2: TRIANGLE CONGRUENCE AND CPCTC

I. Write the congruence statement for each pair of triangles.

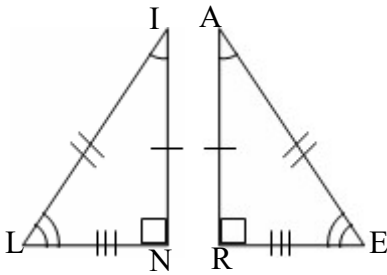
1. $\triangle OGD \cong \triangle$ _____



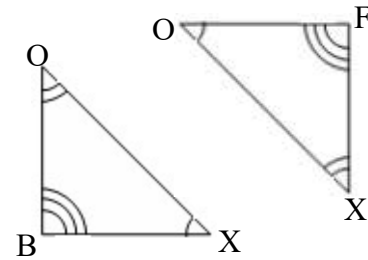
2. $\triangle RAC \cong \triangle$ _____



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

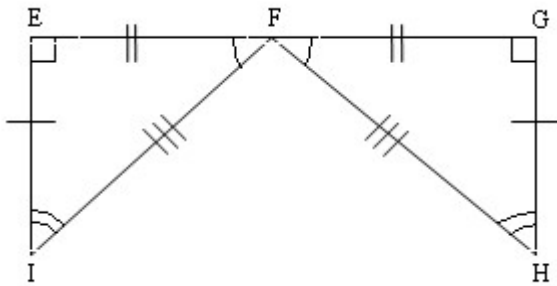


4. $\triangle FOX \cong \triangle$ _____



II. Name the congruent triangle and the congruent parts.

7.



$\triangle FGH \cong \triangle$ _____

$\angle EFI \cong \angle$ _____

$\overline{FG} \cong$ _____

$\angle G \cong \angle$ _____

$\overline{GH} \cong$ _____

$\angle H \cong \angle$ _____

$\overline{FH} \cong$ _____

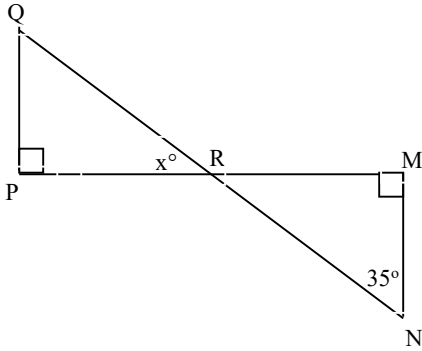
Use the congruency statement to fill in the corresponding congruent parts.

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

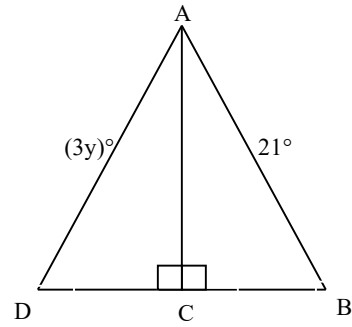
$\overline{FI} \cong$ _____ $\angle FIE \cong \angle$ _____ $\overline{IE} \cong$ _____

III. Knowing the following triangles are congruent, find the missing variable.

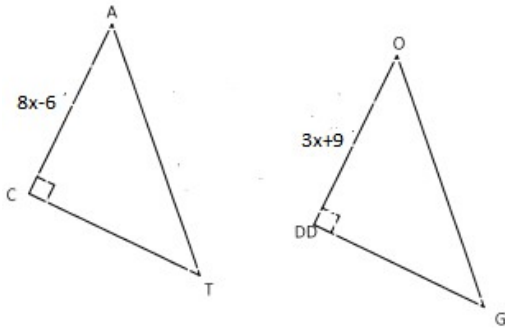
9. $\triangle PQR \cong \triangle MNR$. Find x .



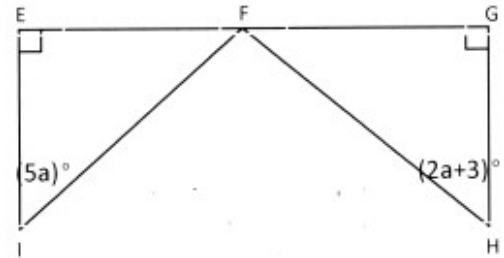
10. $\triangle ABC \cong \triangle ADC$. Find y .



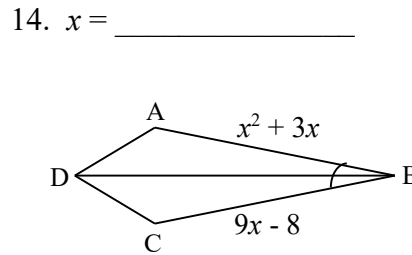
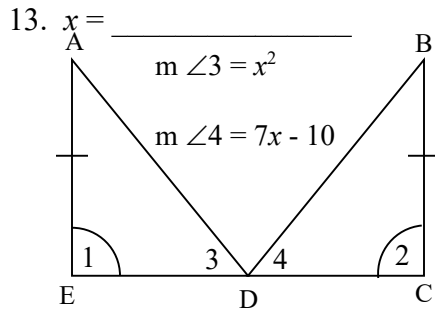
11. $\triangle CAT \cong \triangle DOG$. Find x .



12. $\triangle IEF \cong \triangle HGF$. Find a .



IV. Challenge: For which value(s) of x are the triangles congruent?



15. $x =$ _____

