

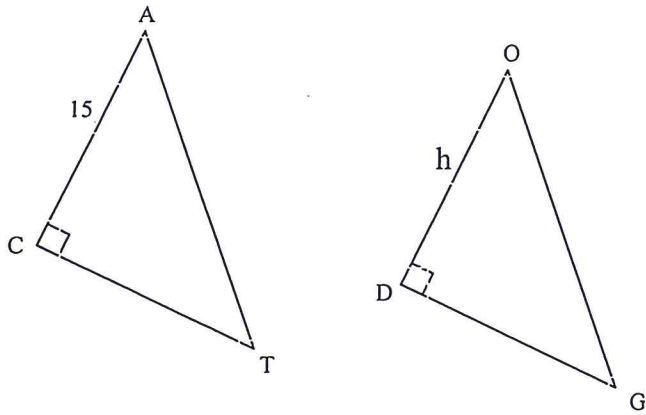
Name _____

Period 3rd/4th

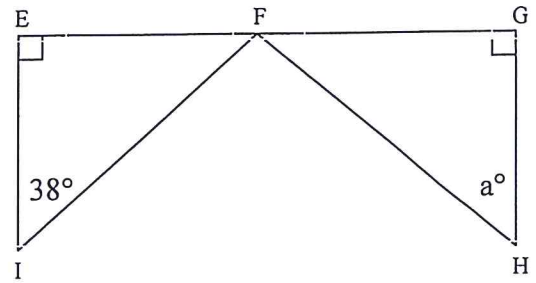
CPCTC Worksheet

I. Solve for the variable.

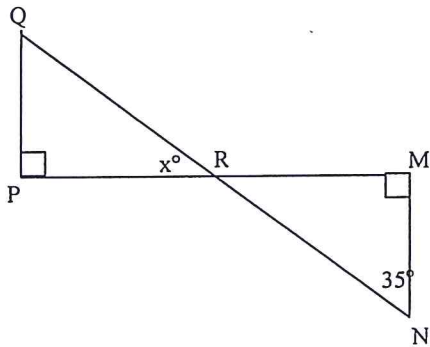
1. $\triangle CAT \cong \triangle DOG$ Find h .



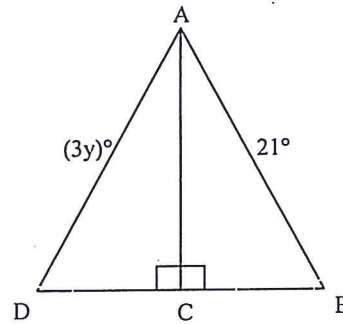
2. $\triangle IEF \cong \triangle HGF$ Find a .



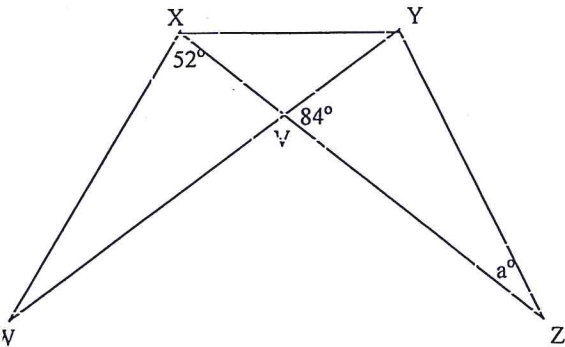
3. $\triangle PQR \cong \triangle MNR$ Find x .



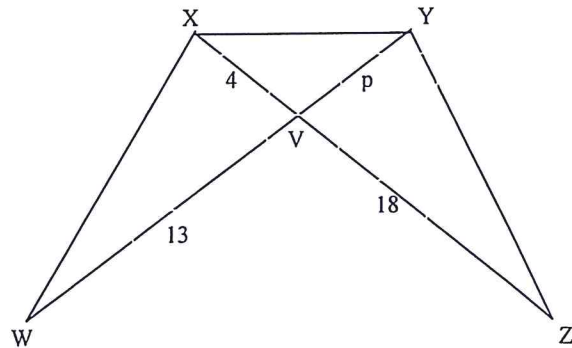
4. $\triangle ABC \cong \triangle ADC$ Find y .



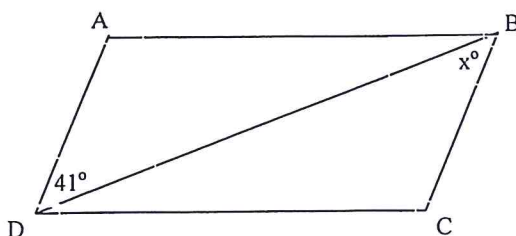
5. $\triangle WXV \cong \triangle ZYV$ Find a .



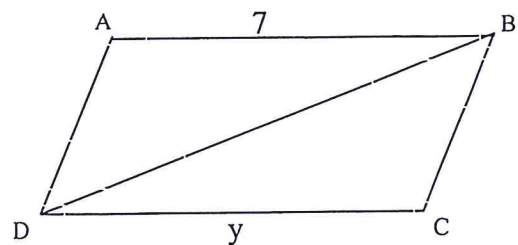
6. $\triangle WXY \cong \triangle ZYX$ Find p .



7. $\triangle ABD \cong \triangle CDB$ Find x .



8. $\triangle ABD \cong \triangle CDB$ Find y .

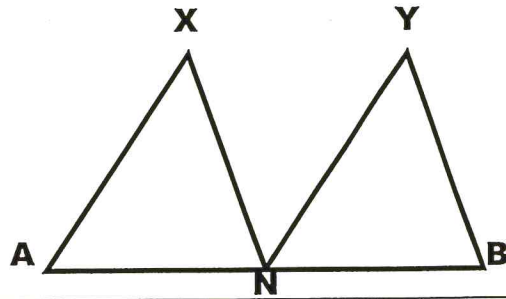


Proofs

1. GIVEN: N is the midpoint of $\overline{AB}$

$$\overline{AX} \cong \overline{NY} \quad \overline{NX} \cong \overline{BY}$$

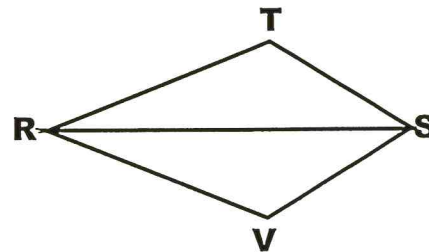
PROVE: $\angle X \cong \angle Y$



STATEMENTS	REASONS
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2. GIVEN: $\overline{RT} \cong \overline{RV}$ $\overline{TS} \cong \overline{VS}$

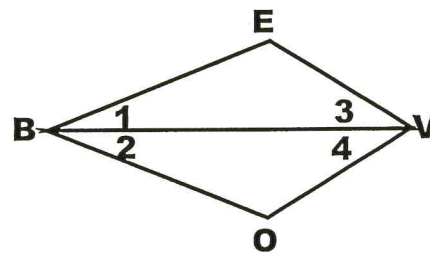
PROVE: $\angle RST \cong \angle RSV$



STATEMENTS	REASONS
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3. GIVEN: $\overline{VB}$ bisects $\angle EVO$ & $\angle EBO$

PROVE: $\angle E \cong \angle O$



STATEMENTS	REASONS
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