

Math 2 Unit 3 Worksheet 4

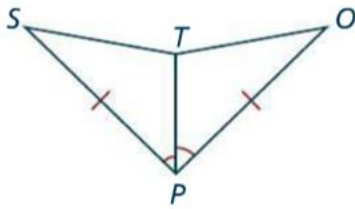
CPCTC

Corresponding Parts of Congruent Triangles are Congruent

Name: _____

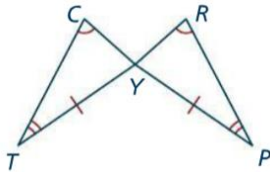
Date: _____ Per: _____

1. **Given:** $\angle SPT \cong \angle OPT$, $\overline{SP} \cong \overline{OP}$
Prove: $\angle S \cong \angle O$



Statements	Reasons

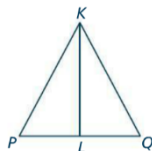
2. **Given:** $\overline{YT} \cong \overline{YP}$, $\angle C \cong \angle R$, $\angle T \cong \angle P$
Prove: $\overline{CT} \cong \overline{RP}$



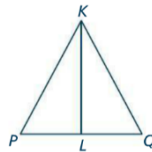
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[3-5] Copy and mark the figure to show the given information. Explain how you would prove $\angle P \cong \angle Q$.

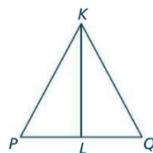
3. **Given:** $\overline{PK} \cong \overline{QK}$, \overline{KL} bisects $\angle PKQ$



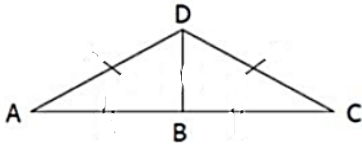
4. **Given:** \overline{KL} is the perpendicular bisector of \overline{PQ}



5. **Given:** $\overline{KL} \perp \overline{PQ}$, \overline{KL} bisects $\angle PKQ$



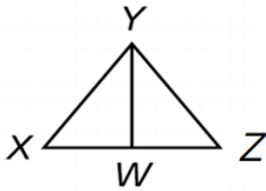
6. **Given:** B is the midpoint of \overline{AC} , $\overline{AD} \cong \overline{CD}$
Prove: $\angle DAB \cong \angle DCB$



Statements

Reasons

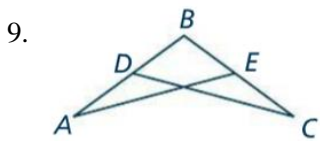
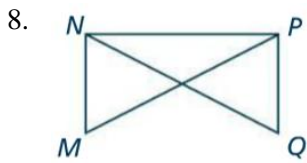
7. **Given:** W is the midpoint of \overline{XZ} , $\overline{XY} \cong \overline{ZY}$
Prove: $\angle XYW \cong \angle ZYW$



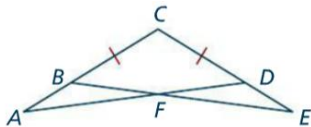
Statements

Reasons

[8-9] Separate and re-draw the two triangles. Label the vertices.



10. **Given:** $\overline{AC} \cong \overline{EC}$, $\overline{CB} \cong \overline{CD}$
Prove: $\angle A \cong \angle E$



Statements

Reasons