Name _____ Class _____ Date _____

4-2 Practice

Form G

Triangle Congruence by SSS and SAS

Draw ΔMGT. Use the triangle to answer the questions below.

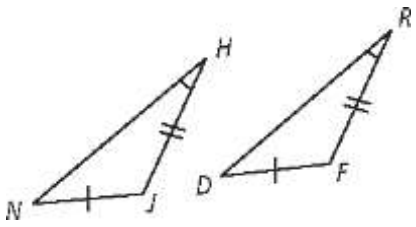
1. What angle is included between $\overline{GM}$ and $\overline{MT}$?

2. Which sides include $\angle T$?

3. What angle is included between $\overline{GT}$ and $\overline{MG}$?

Would you use SSS or SAS to prove the triangles congruent? If there is not enough information to prove the triangles congruent by SSS or SAS, write *not enough information.* Explain your answer.

4.



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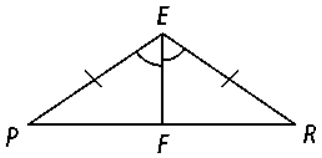

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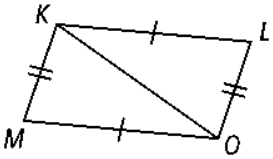

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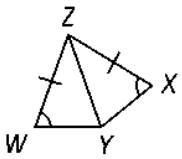

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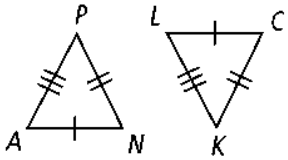

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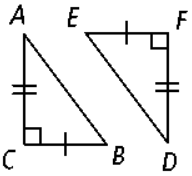

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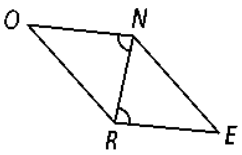

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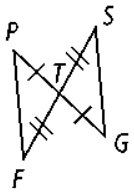

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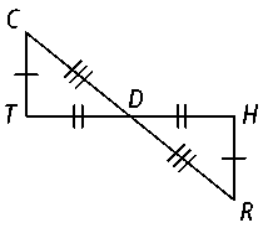


Name _____ Class _____ Date _____

4-2 Practice (continued) *Form G*

Triangle Congruence by SSS and SAS

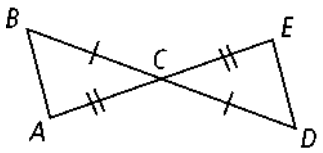
13. Draw a Diagram A student draws ΔABC and ΔQRS. The following sides and angles are congruent:

$\overline{AC} \cong \overline{QS}$ $\overline{AB} \cong \overline{QR}$ $\angle B \cong \angle R$

Based on this, can the student use either SSS or SAS to prove that $\Delta ABC \cong \Delta QRS$? If the answer is no, explain what additional information the student needs. Use a sketch to help explain your answer.

14. Given: $\overline{BC} \cong \overline{DC}, \overline{AC} \cong \overline{EC}$

Prove: $\Delta ABC \cong \Delta EDC$



Statements	Reasons

15. Given: $\overline{WX} \parallel \overline{YZ}, \overline{WX} \cong \overline{YZ}$

Prove: $\Delta WXZ \cong \Delta YZX$