

Name _____

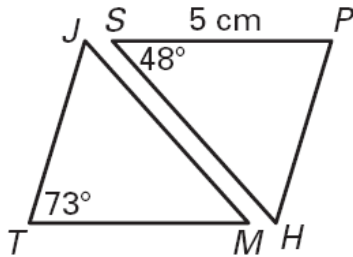
Date _____

LESSON 4.2

Practice B

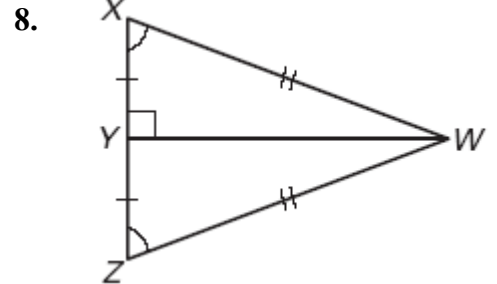
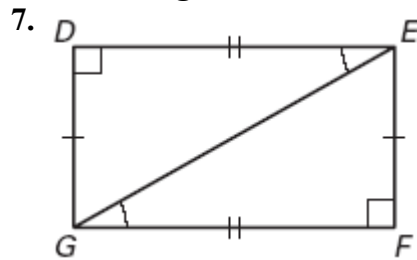
For use with pages 225-231

In the diagram, $\triangle TJM \cong \triangle PHS$. Complete the statement.

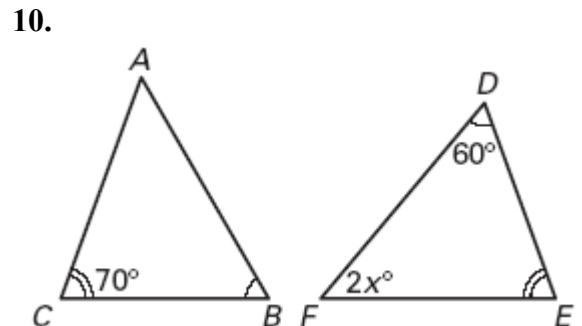
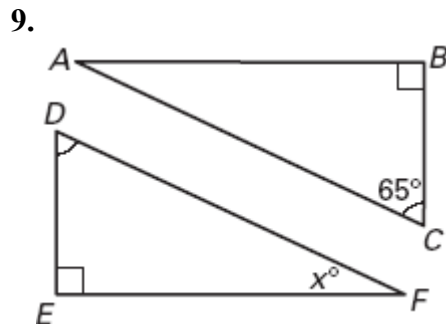


1. $\angle P \cong$?
2. $\overline{JM} \cong$?
3. $m\angle M =$?
4. $m\angle P =$?
5. $\overline{MT} =$?
6. $\triangle HPS \cong$?

Write a congruence statement for any figures that can be proved congruent. *Explain your reasoning.*

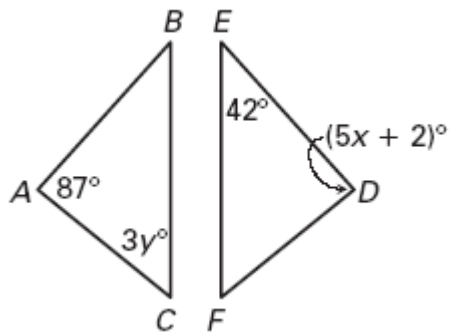


Find the value of x .

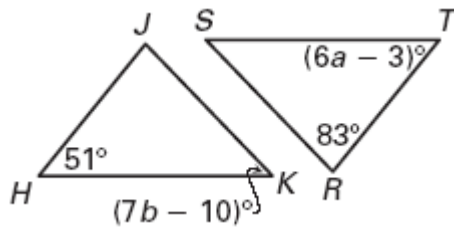


In Exercises 11 and 12, use the given information to find the indicated values.

11. Given $\triangle ABC \cong \triangle DEF$, find the values of x and y .



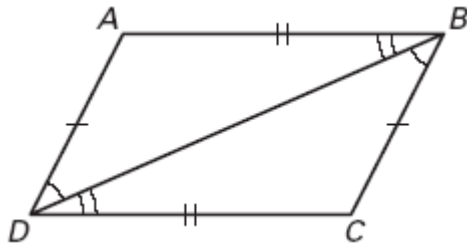
12. Given $\triangle HJK \cong \triangle TRS$, find the values of a and b .



13. **Proof** Complete the proof.

GIVEN: $\angle ABD \cong \angle CDB$, $\angle ADB \cong \angle CBD$, $\overline{AD} \cong \overline{BC}$, $\overline{AB} \cong \overline{DC}$

PROVE: $\triangle ABD \cong \triangle CDB$



Statements

Reasons

Statements	Reasons