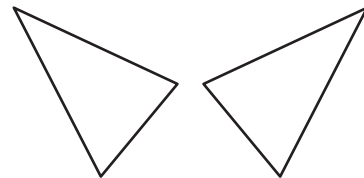


# Practice B

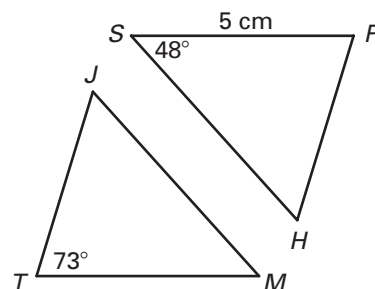
For use with pages 202–210

1. Copy the congruent triangles shown at the right. Then label the vertices of your triangles so that  $\triangle AMT \cong \triangle CDN$ . Identify all pairs of congruent corresponding angles and corresponding sides.

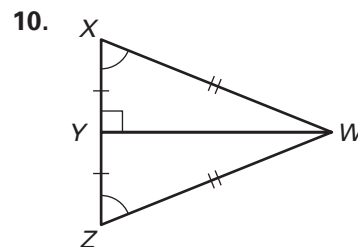
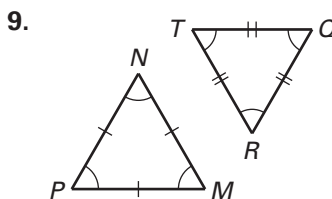
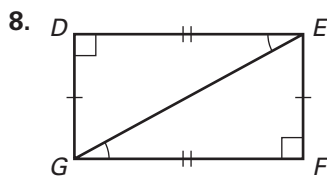


In the diagram,  $\triangle TJM \cong \triangle PHS$ . Complete the statement.

2.  $\angle P \cong$  \_\_\_\_\_  
 3.  $\overline{JM} \cong$  \_\_\_\_\_  
 4.  $m\angle M =$  \_\_\_\_\_ $^\circ$   
 5.  $m\angle P =$  \_\_\_\_\_ $^\circ$   
 6.  $MT =$  \_\_\_\_\_  
 7.  $\triangle HPS \cong$  \_\_\_\_\_

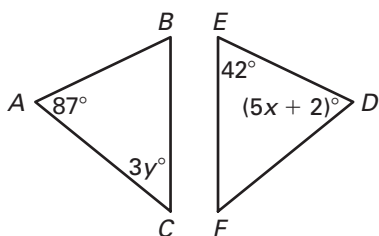


Identify any figures that can be proved congruent. Explain your reasoning. For those that can be proved congruent, write a congruence statement.

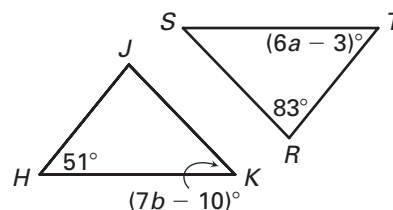


In Exercises 11 and 12, use the given information to find the indicated values.

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. Write a proof.  
**Given:**  $\angle ABD \cong \angle CDB$ ,  $\angle ADB \cong \angle CBD$ ,  
 $\overline{AD} \cong \overline{BC}$ ,  $\overline{AB} \cong \overline{DC}$   
**Prove:**  $\triangle ABD \cong \triangle CDB$

