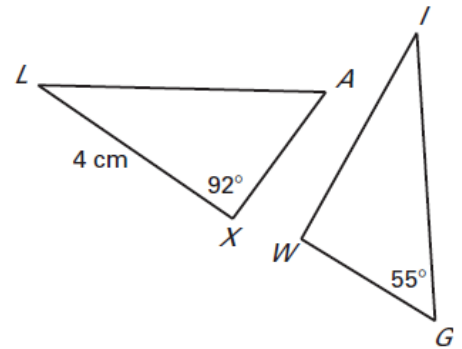


Name \_\_\_\_\_ Hour \_\_\_\_\_

**Congruent Triangles #1**

In the diagram,  $\triangle ALX \cong \triangle GIW$ . Complete the statement.

1.  $\triangle WGI \cong$  \_\_\_\_\_.
2.  $\angle X \cong$  \_\_\_\_\_.
3.  $\overline{IG} \cong$  \_\_\_\_\_.
4.  $m\angle A =$  \_\_\_\_\_.
5.  $WI =$  \_\_\_\_\_.
6.  $m\angle I =$  \_\_\_\_\_.

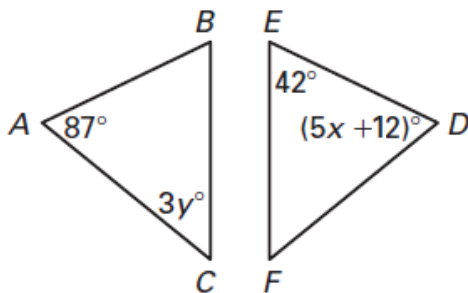


Complete the statement.

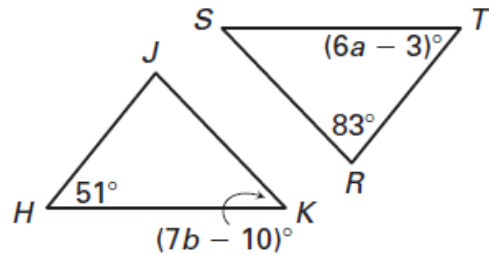
7. If  $\triangle WRD \cong \triangle PLK$ , then  $\overline{WR} \cong$  \_\_\_\_\_.
8. If  $\triangle BGT \cong \triangle DSN$ , then  $\angle T \cong$  \_\_\_\_\_.
9. If  $\triangle SVP \cong \triangle MTQ$ , then  $\overline{PS} \cong$  \_\_\_\_\_.
10. If  $\triangle JCX \cong \triangle MWP$ , then  $\overline{XC} \cong$  \_\_\_\_\_.
11. If  $\triangle PMC \cong \triangle LDX$ , then  $\angle M \cong$  \_\_\_\_\_.
12. If  $\triangle RHK \cong \triangle WVO$ , then  $\triangle KRH \cong$  \_\_\_\_\_.

Use the given information to find the value of each variable.

13.  $\triangle ABC \cong \triangle DEF$



14.  $\triangle HJK \cong \triangle TRS$



Are the triangles congruent? If so, write a congruence statement.

