**Determine whether the triangles are congruent and name the congruence shortcut. If the triangles cannot be shown to be congruent, write "cannot be determined."**

1) $\Delta LUZ \cong \Delta IDA$
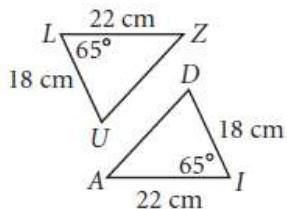
7) $\Delta AMD \cong \Delta RMC$

2) $\Delta AFD \cong \Delta EFD$
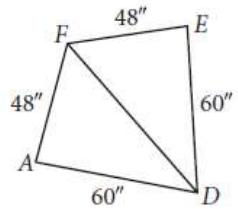
8) $\Delta FSH \cong \Delta FSI$

3) $\Delta COT \cong \Delta NPA$
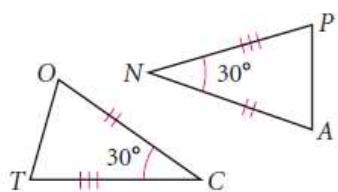
9) $\Delta GAS \cong \Delta IOL$

4) $\Delta CAV \cong \Delta CEV$
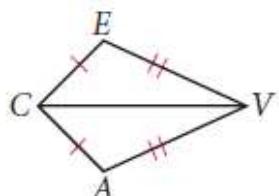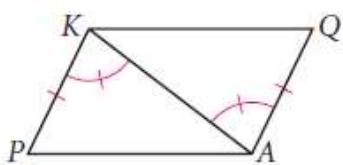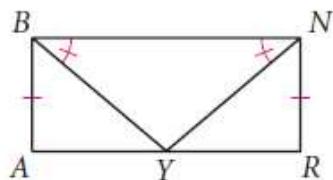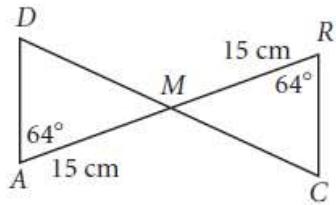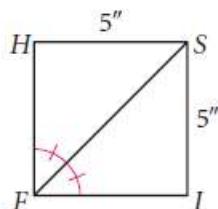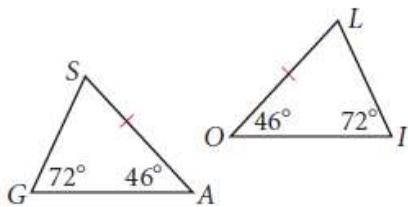
10) $\Delta HOW \cong \Delta FEW$

11) $\Delta BOX \cong \Delta CAR$

5) $\Delta KAP \cong \Delta AKQ$

6) $\Delta AYB \cong \Delta RYN$
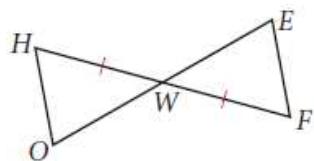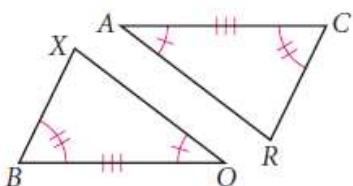
12) $\Delta ALT \cong \Delta INT$
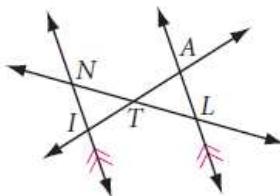
If possible, name a triangle congruent to the triangle given and state the congruence shortcut. If the triangles cannot be shown to be congruent, write "cannot be determine" and explain why.

13) $\triangle ANT \cong \triangle$_____
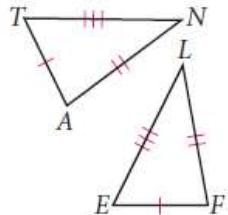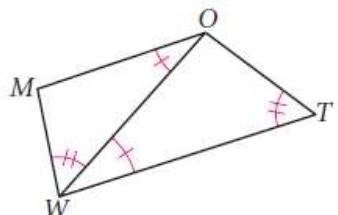
14) $\triangle RED \cong \triangle$_____
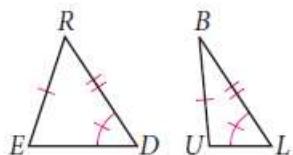
15) $\triangle GIT \cong \triangle$_____

16) $\triangle MAN \cong \triangle$_____

17) $\triangle SAT \cong \triangle$_____

18) $\triangle WOM \cong \triangle$_____
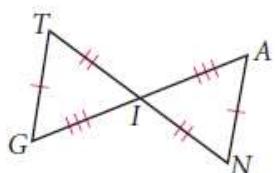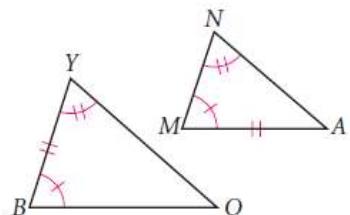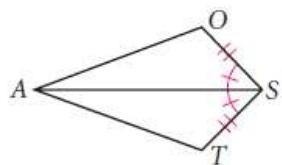
19) $\triangle FAD \cong \triangle$_____
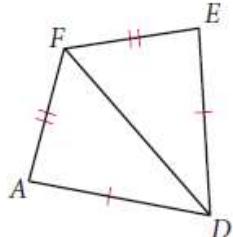
20) $\overline{OH} \parallel \overline{AT}$
 $\triangle WHO \cong \triangle$_____
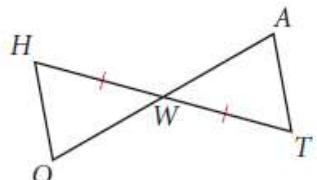
21) $\overline{AT}$ is an angle bisector.
 $\triangle LAT \cong \triangle$_____
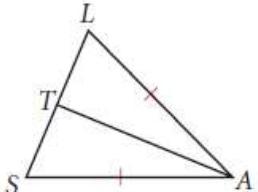
22) $PO = PR$

 $\triangle POE \cong \triangle$_____

  $\triangle SON \cong \triangle$_____
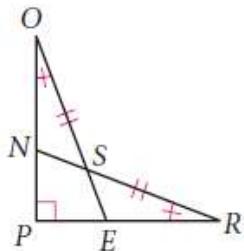

23) $\triangle AMD \cong \triangle$_____
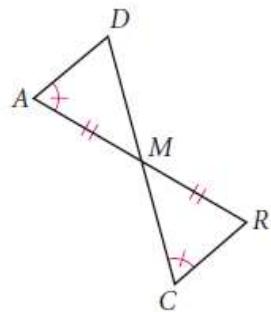
24) $\triangle RMF \cong \triangle$_____
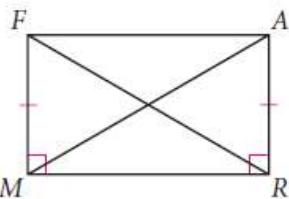

25) $\triangle BLA \cong \triangle$_____
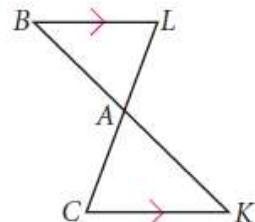
26) $\triangle LAW \cong \triangle$_____
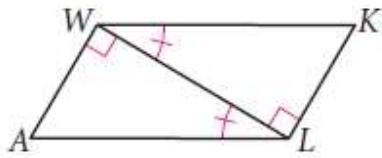
Complete.

27) Calculate the measure of each lettered angle. Explain how you determined measures h and s.
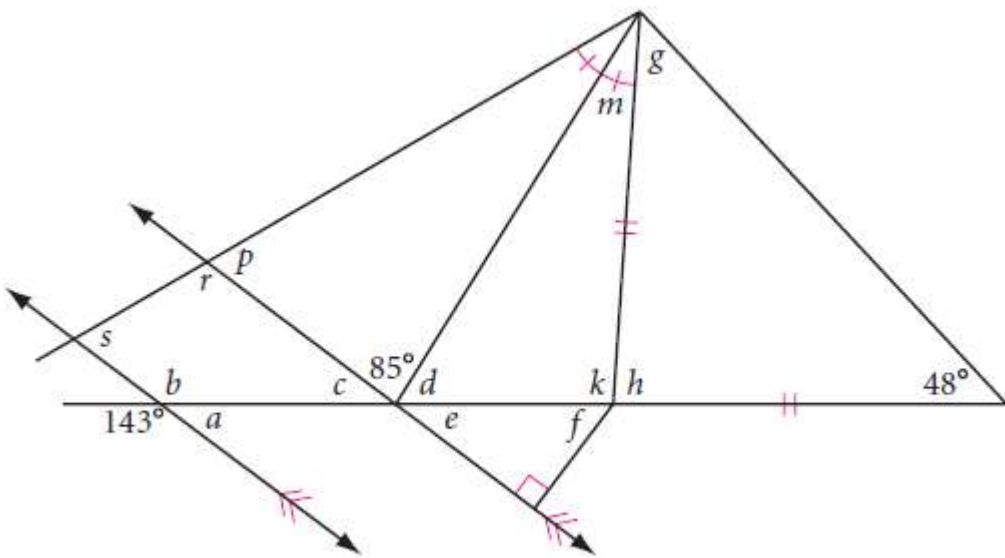
28) If two sides of a triangle measure 8 cm and 11 cm, what is the range of values for the length of the third side?