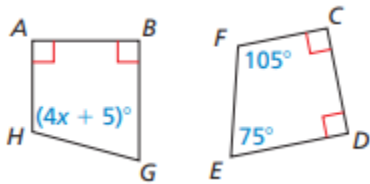


See **ANSWERS** below on **PAGE 2**.

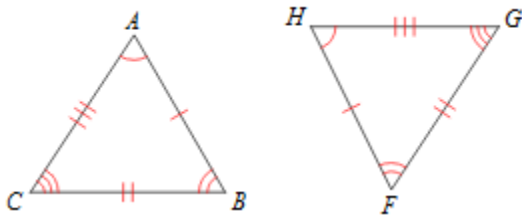
Complete each congruence statement by naming the corresponding angle or side.

1.  $\triangle JLK \cong \triangle JFD$ .  $JL \cong ?$
2.  $\triangle RQP \cong \triangle QRH$ .  $\angle P \cong ?$
3.  $\triangle NLM \cong \triangle NGH$ .  $NL \cong ?$
4.  $\triangle TSU \cong \triangle UCD$ .  $TS \cong ?$
5.  $\triangle RST \cong \triangle RDE$ .  $ST \cong ?$
6. Given  $\triangle AFH \cong \triangle CGJ$ , name the corresponding angles and sides.
7. Given  $\triangle WYS \cong \triangle MKV$ , name the corresponding angles and sides.
8. In the diagram,  $ABGH \cong CDEF$ . Find the value of  $x$ .

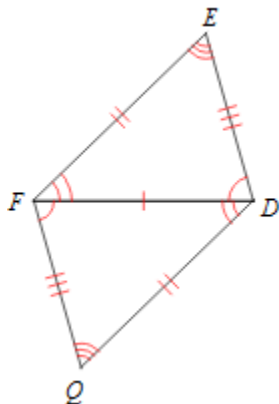


Write a statement that indicates that the triangles in each pair are congruent.

9.



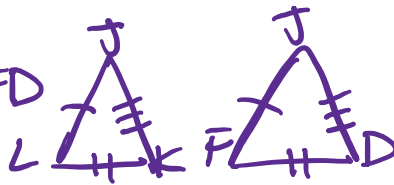
10.



Answers:

1. JF

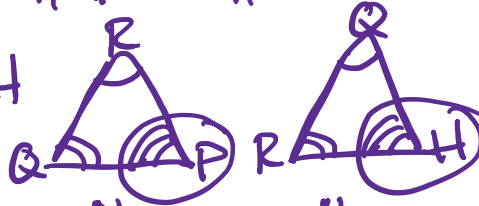
$$\triangle JLK \cong \triangle JFD$$



$$JL \cong JF$$

2.  $\angle H$

$$\triangle RQP \cong \triangle RPH$$



$$\angle P \cong \angle H$$

3. NG

$$\triangle NLM \cong \triangle NGH$$



$$NL \cong NG$$

4. UC

$$\triangle TSU \cong \triangle UCD$$



$$TS \cong UC$$

5. DE

$$\triangle RST \cong \triangle RDE$$



$$ST \cong DE$$

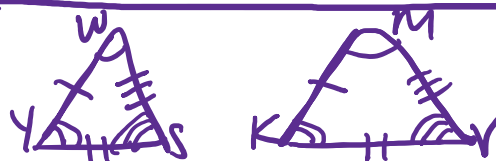
6.  $\angle A \cong \angle C, \angle F \cong \angle G, \angle H \cong \angle J, AF \cong CG, FH \cong GJ, AH \cong CJ$

$$\triangle AFH \cong \triangle CGJ$$

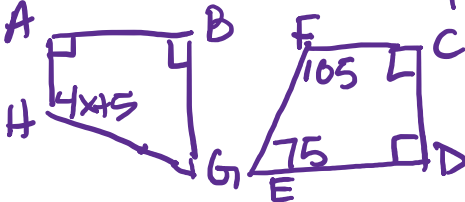


7.  $\angle W \cong \angle M, \angle Y \cong \angle K, \angle S \cong \angle V, WY \cong MK, YS \cong KV, WS \cong MV$

$$\triangle WYS \cong \triangle MKV$$



8.  $x = 25$



$$\triangle ABG \cong \triangle FED$$

$$\angle H \cong \angle F$$

$$4x + 5 = 105$$

$$\begin{array}{r} 4x + 5 = 105 \\ -5 \quad -5 \\ \hline 4x = 100 \\ \hline x = 25 \end{array}$$

9.  $\triangle ABC \cong \triangle HFG$

10.  $\triangle DFE \cong \triangle FDQ$