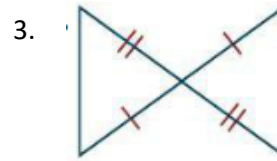
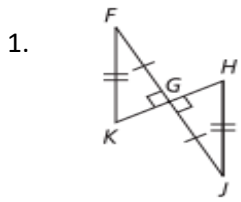


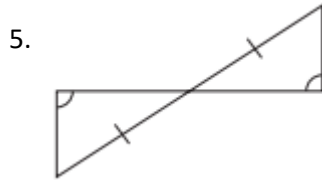
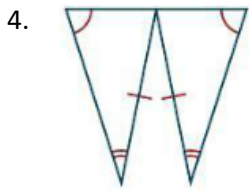
Name \_\_\_\_\_ Hour \_\_\_\_\_

## Chapter 10 Practice Test

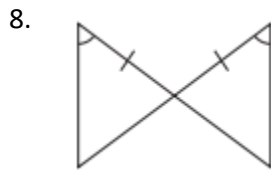
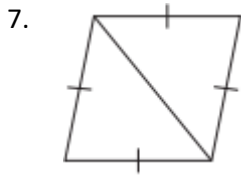
State the postulate or theorem you would use to prove each pair of triangles congruent. If the triangles cannot be proven congruent, write *not enough information*.



1. \_\_\_\_\_  
2. \_\_\_\_\_  
3. \_\_\_\_\_

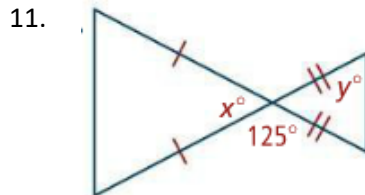
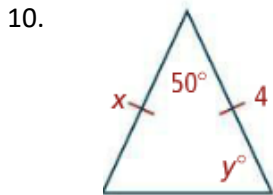


4. \_\_\_\_\_  
5. \_\_\_\_\_  
6. \_\_\_\_\_

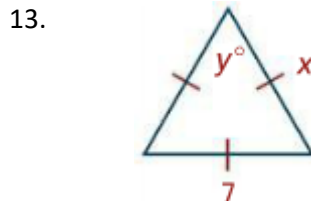
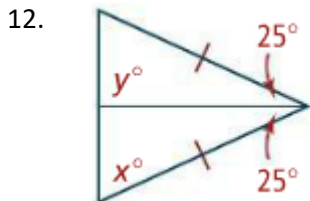


7. \_\_\_\_\_  
8. \_\_\_\_\_  
9. \_\_\_\_\_

Find the values of  $x$  and  $y$ .



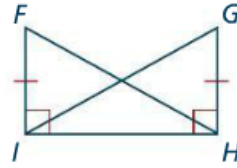
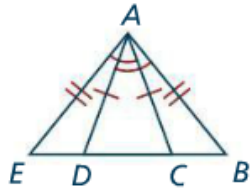
10. \_\_\_\_\_  
11. \_\_\_\_\_



12. \_\_\_\_\_  
13. \_\_\_\_\_

Name a pair of overlapping congruent triangles in each diagram, as a congruence statement. State whether the triangles are congruent by SSS, SAS, ASA, AAS or HL.

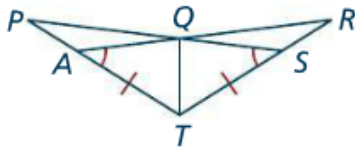
14. Given:  $\overline{AB} \cong \overline{AE}, \overline{AC} \cong \overline{AD}, \angle BAD \cong \angle EAC$  15. Given:  $\angle FIH$  &  $\angle GHI$  are right angles;  $\overline{GH} \cong \overline{FI}$



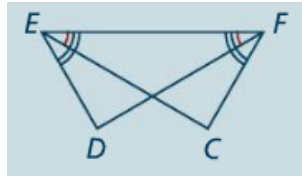
14. \_\_\_\_\_

15. \_\_\_\_\_

16. Given:  $\overline{TS} \cong \overline{AT}, \angle PST \cong \angle RAT$



17. Given:  $\angle EFC \cong \angle FED, \angle EFD \cong \angle FEC$



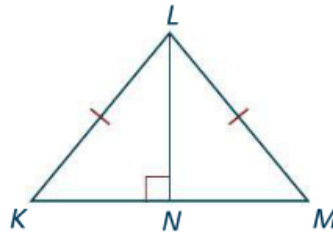
16. \_\_\_\_\_

17. \_\_\_\_\_

For Questions 18-20, complete the following proof.

Given:  $\overline{LN} \perp \overline{KM}; \overline{KL} \cong \overline{ML}$

Prove:  $\angle KLN \cong \angle MLN$



Statements	Reasons	
1. $\overline{LN} \perp \overline{KM}; \overline{KL} \cong \overline{ML}$	1. Given	
2. _____ #18	2. Perpendicular Lines form right angles	18. _____
3. $\triangle MLN$ & $\triangle KLN$ are right triangles	3. _____ #19	19. _____
4. $\overline{LN} \cong \overline{LN}$	4. _____ #20	20. _____
5. $\triangle MLN \cong \triangle KLN$	5. _____ #21	21. _____
6. $\angle KLN \cong \angle MLN$	6. _____ #22	22. _____