

Name \_\_\_\_\_ Date \_\_\_\_\_ Period \_\_\_\_\_

**DIRECTIONS:** For #1-9, fill in the blanks with the most accurate responses.

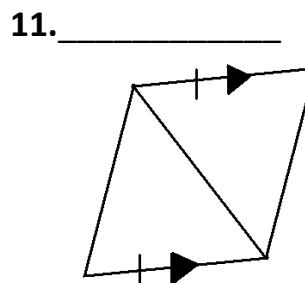
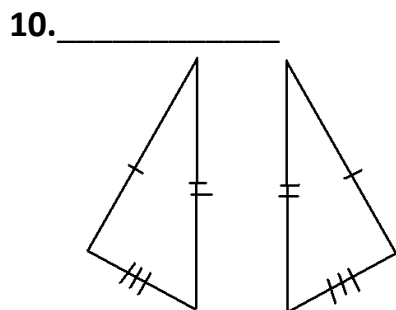
1. If  $\triangle ABC \cong \triangle ZXY$ , then  $\sphericalangle A \cong$  \_\_\_\_\_
2. If  $\triangle ABC \cong \triangle ZXY$ , then  $\sphericalangle B \cong$  \_\_\_\_\_
3. If  $\triangle ABC \cong \triangle ZXY$ , then  $\sphericalangle C \cong$  \_\_\_\_\_
4. If  $\triangle ABC \cong \triangle ZXY$ , then  $\overline{AB} \cong$  \_\_\_\_\_
5. If  $\triangle ABC \cong \triangle ZXY$ , then  $\overline{BC} \cong$  \_\_\_\_\_
6. If  $\triangle ABC \cong \triangle ZXY$ , then  $\overline{AC} \cong$  \_\_\_\_\_

7. What is the reason why each of #1-6 is true? \_\_\_\_\_

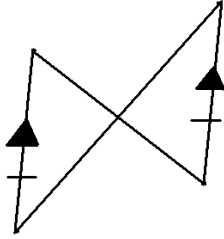
8. In  $\triangle ABC$ , what angle is included between  $\overline{BC}$  and  $\overline{CA}$ ? \_\_\_\_\_

9. "CPCTC" stands for  
 \_\_\_\_\_

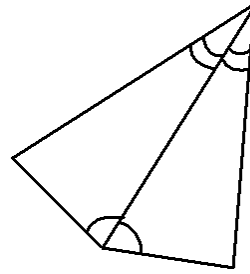
**DIRECTIONS:** For #10-13, write the postulate or theorem you could use to prove the triangles congruent. If none exist, write "NONE."



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

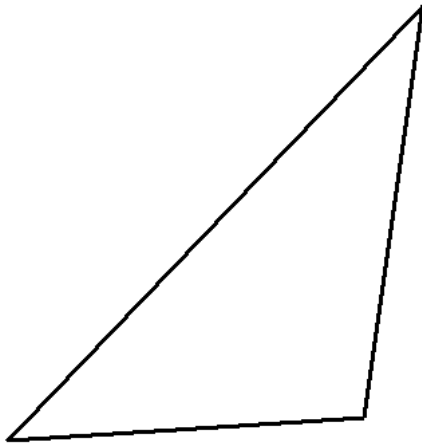


13. \_\_\_\_\_



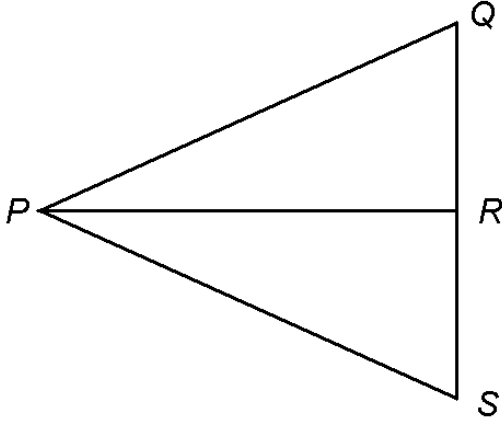
DIRECTIONS: Use a straightedge and a compass to complete the construction.

14. Construct a copy of this triangle



DIRECTIONS: For #15, complete the proof. Be neat. Show work on diagram.

15



**Given:**  $\overrightarrow{PR}$  bisects  $\angle QPS$ ;  
 $\overline{PR} \perp \overline{QS}$

**Prove:**  $\triangle PQR \cong \triangle PSR$