

QUIZ 9

Name _____

1. You are given $\triangle RST$ and $\triangle XYZ$ with $\angle S \cong \angle Y$. To show that $\triangle RST \cong \triangle XYZ$ using the SAS property what more would you need to know. If you wanted to show $\triangle RST \cong \triangle XYZ$ using ASA property what more would you need to know?
2. Draw two noncongruent quadrilaterals that satisfy the description: a quadrilateral with four sides of length 5 units.
3. A person 6 feet tall is in search of a tree 100 feet tall. If the persons shadow is 9 feet, what is the length of the shadow of the tree?
4. Tom and Carol are playing a shadow game. Tom is 6 feet tall and Carol is 5 feet tall. If Carol stands at the “shadow top” of Tom’s head, their combined shadows total 15 feet. How long is each shadow?