Geometry   Name_____

Triangle Similarity   Date_____ Period_____

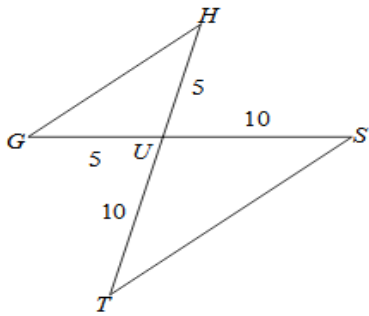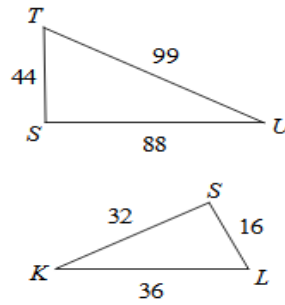**State if the triangles in each pair are similar. If so, state how you know they are similar and complete the similarity statement.**
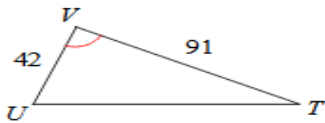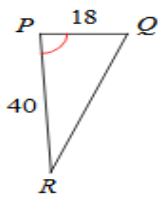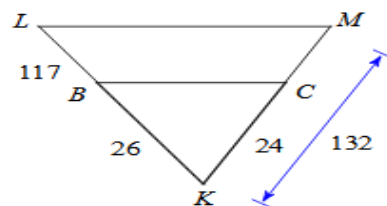
1)

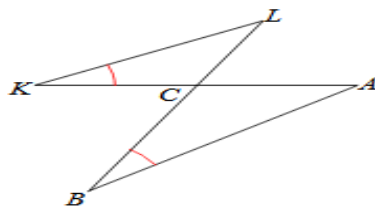$\triangle UTS \sim$ _____

2)

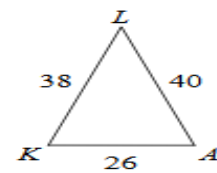$\triangle STU \sim$ _____

3)

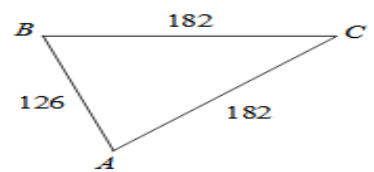$\triangle VUT \sim$ _____

4)

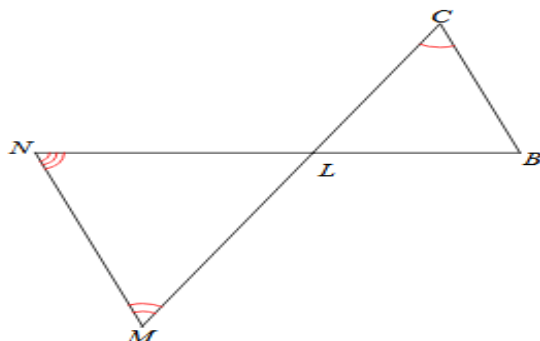$\triangle KLM \sim$ _____

5)

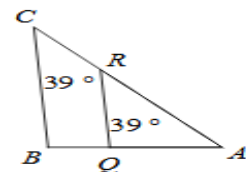$\triangle CBA \sim$ _____

6)

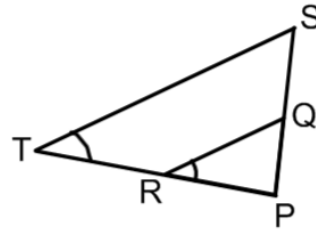$\triangle ABC \sim$ _____

7)

$\triangle LMN \sim$ _____

8)

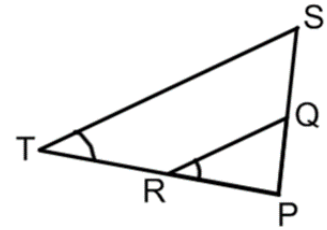$\triangle ABC \sim$ _____

Triangle Similarity Remediation

Using the given figure to answer the following questions

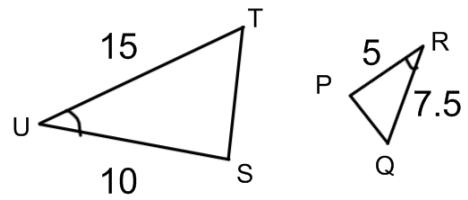1. Decide if ΔSPT and ΔQPR are similar. State the postulate or theorem that you could use to show that.

2. If PT is 20, PR is 8, and PQ is 11, what is the length of PS?

3. What is the length QR if ST is 14, PR is 5 and RT is 9.
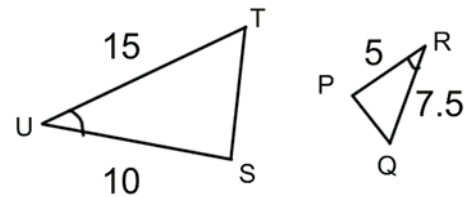
Using the given figure to answer the following questions

4. Decide if ΔSUT and ΔPRQ are similar. State the postulate or theorem that you could use to show that.

5. What is the length of ST if PQ = 4.

6. What is the length of PQ if ST = 6.

Using the given figure to answer the following questions.

7. Decide if the following triangles are similar. State the postulate or theorem that you could use to show that.

8. What is the length of QR if ST = 15.