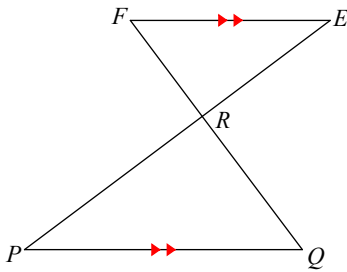


Triangle Similarity Theorems

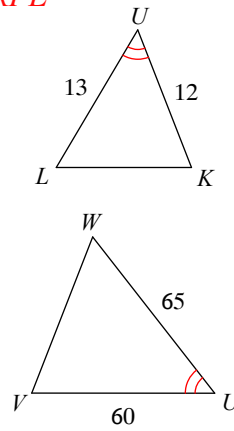
State if the triangles in each pair are similar. If so, state how you know they are similar and complete the similarity statement.

1) similar; AA similarity; $\triangle RFE$



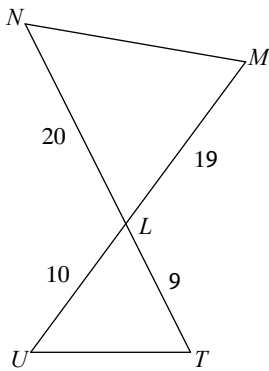
$\triangle RQP \sim$ _____

similar; SAS similarity; $\triangle UKL$



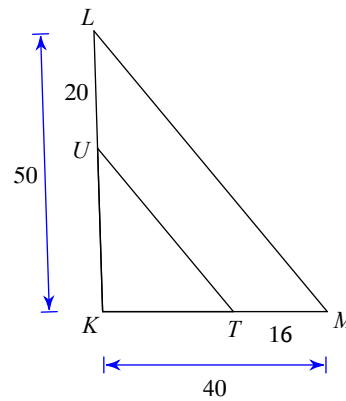
$\triangle UVW \sim$ _____

3) not similar



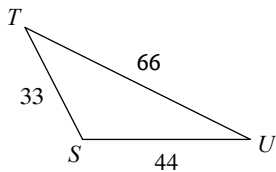
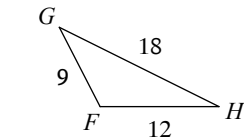
$\triangle LMN \sim$ _____

4) similar; SAS similarity; $\triangle KUT$



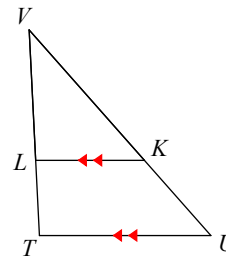
$\triangle KLM \sim$ _____

5) similar; SSS similarity; $\triangle FGH$



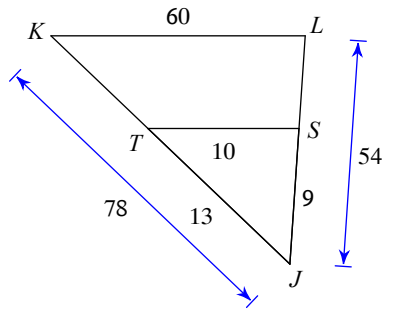
$\triangle STU \sim$ _____

similar; AA similarity; $\triangle VKL$



$\triangle VUT \sim$ _____

7)

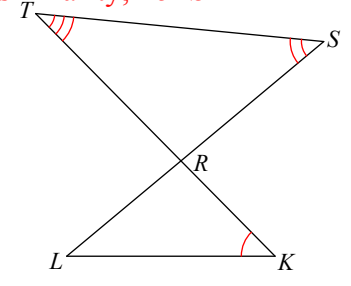


$\triangle JKL \sim \underline{\hspace{2cm}}$

State the relating ratio that makes the two triangles similar. Find the missing length.

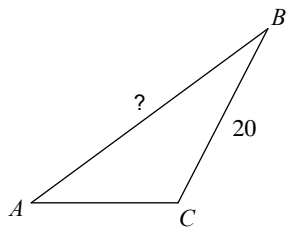
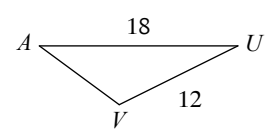
similar; SSS and SAS similarity; $\triangle JTS$

not similar

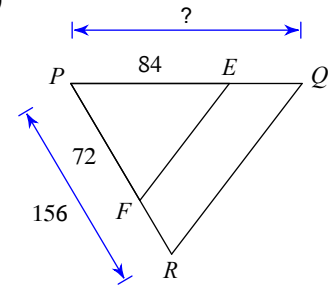


$\triangle RST \sim \underline{\hspace{2cm}}$

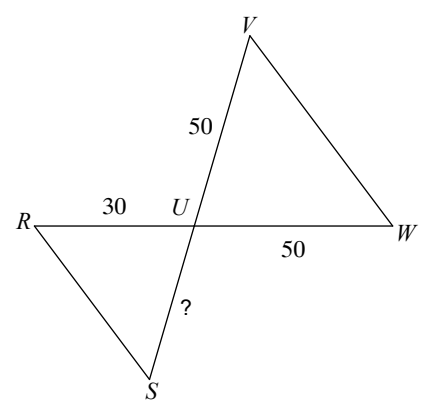
9) $\triangle ABC \sim \triangle AUV$ 30



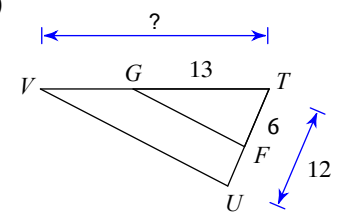
10) 182



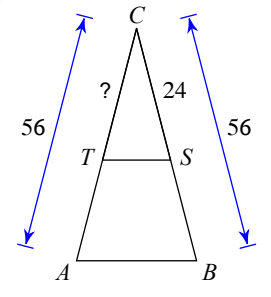
11) $\triangle UVW \sim \triangle USR$ 30



12) 26



13) 24



14) 11

