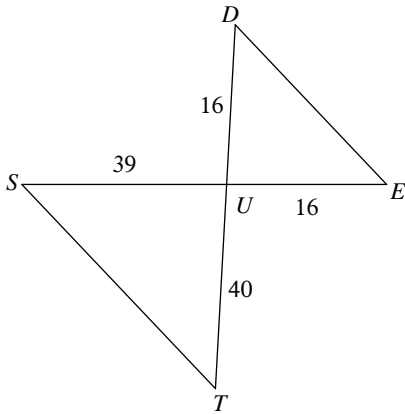


Similar Triangles

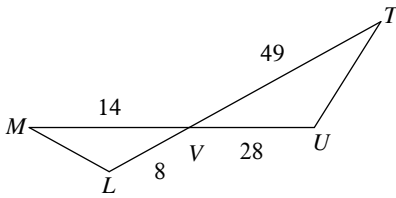
State if the triangles in each pair are similar. If so, state how you know they are similar and complete the similarity statement.

1)



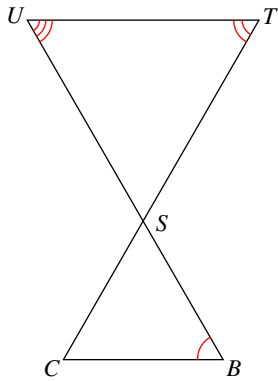
$\Delta UTS \sim$ _____

3)



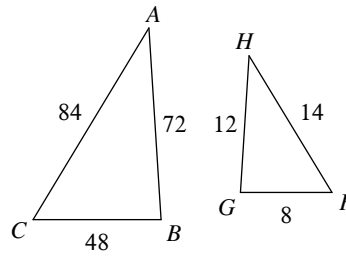
$\Delta VUT \sim$ _____

5)



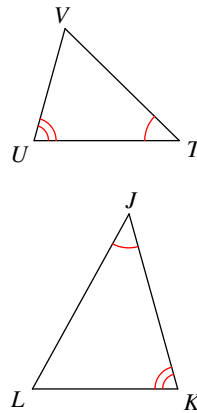
$\Delta STU \sim$ _____

2)



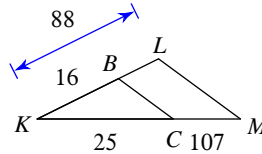
$\Delta CBA \sim$ _____

4)



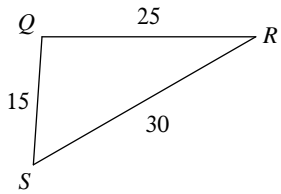
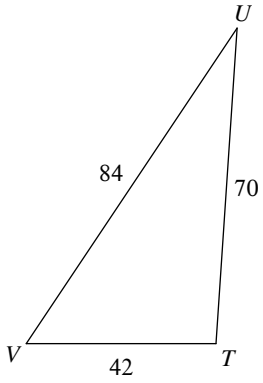
$\Delta JKL \sim$ _____

6)



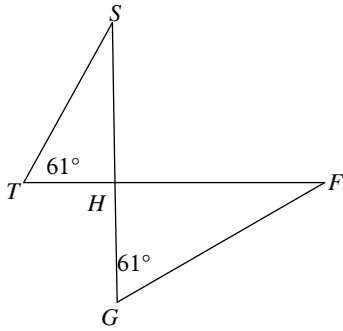
$\Delta KLM \sim$ _____

7)



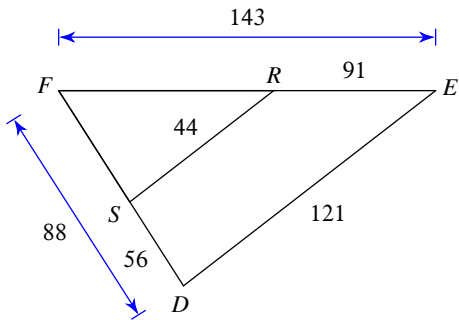
$\Delta TUV \sim \underline{\hspace{2cm}}$

9)



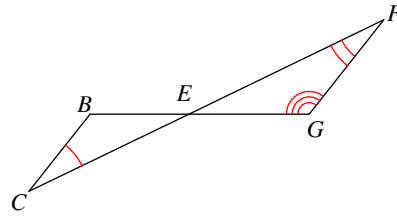
$\Delta HGF \sim \underline{\hspace{2cm}}$

11)



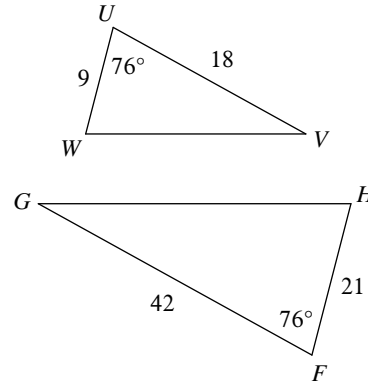
$\Delta FED \sim \underline{\hspace{2cm}}$

8)



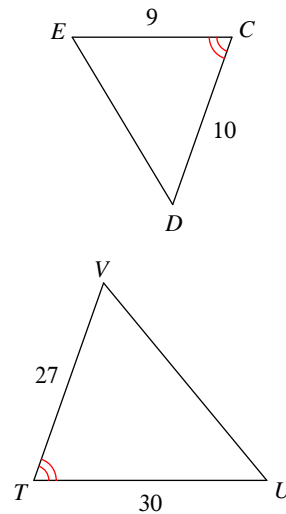
$\Delta EFG \sim \underline{\hspace{2cm}}$

10)



$\Delta FGH \sim \underline{\hspace{2cm}}$

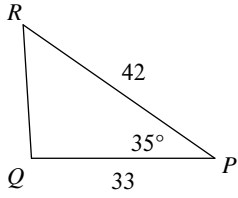
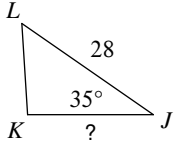
12)



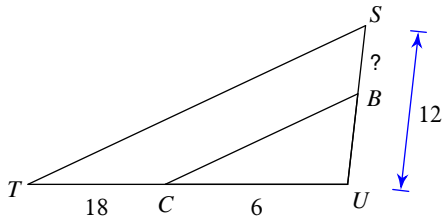
$\Delta TVU \sim \underline{\hspace{2cm}}$

Find the missing length. The triangles in each pair are similar.

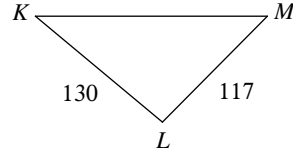
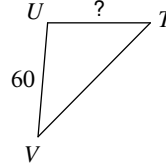
13)



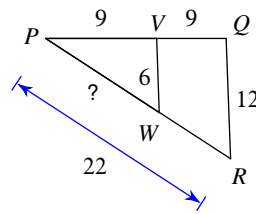
15)



14)

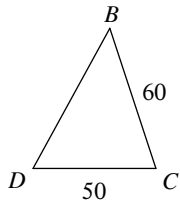
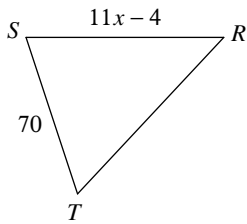


16)

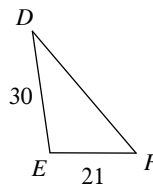
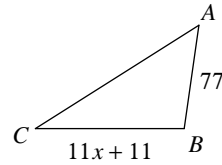


Solve for x . The triangles in each pair are similar.

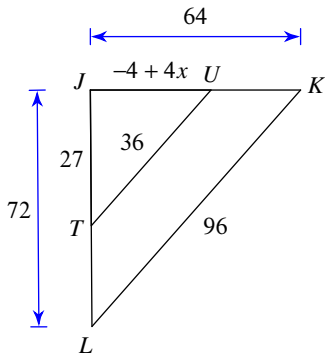
17)



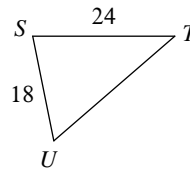
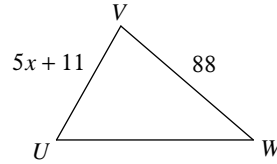
18)



19)



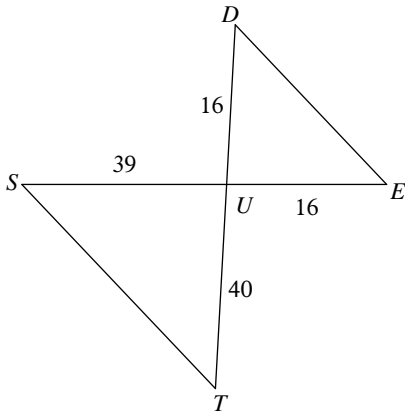
20)



Similar Triangles

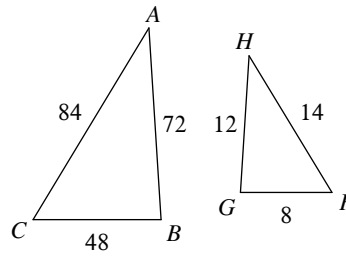
State if the triangles in each pair are similar. If so, state how you know they are similar and complete the similarity statement.

1) not similar



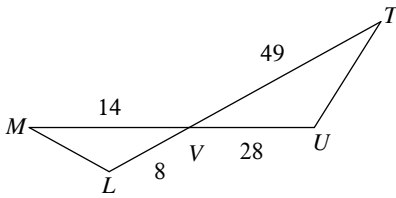
$\Delta UTS \sim$ _____

2) similar; SSS similarity; ΔFGH



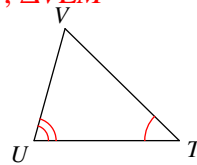
$\Delta CBA \sim$ _____

3) similar; SAS similarity; ΔVLM

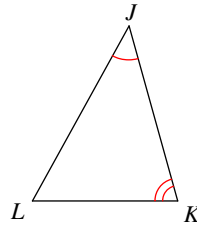


$\Delta VUT \sim$ _____

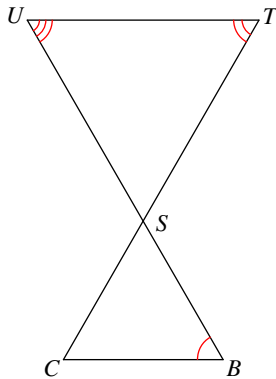
4) similar; AA similarity; ΔTUV



$\Delta JKL \sim$ _____

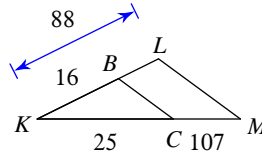


5) not similar



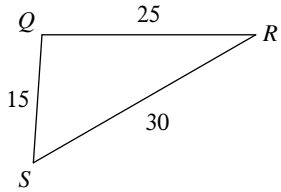
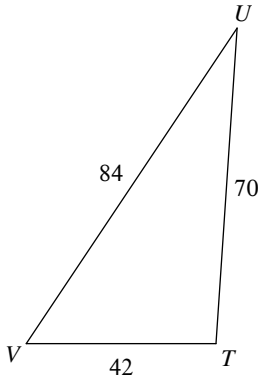
$\Delta STU \sim$ _____

6) not similar

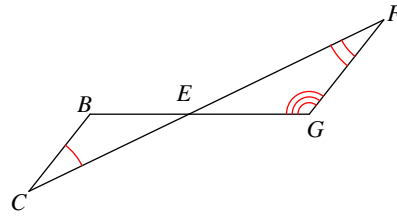


$\Delta KLM \sim$ _____

7) similar; SSS similarity; ΔQRS not similar

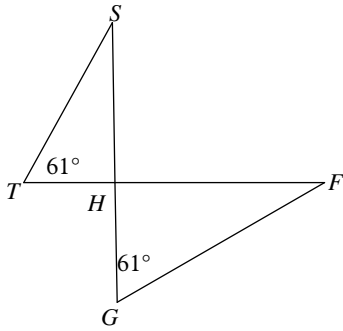


$\Delta TUV \sim$ _____



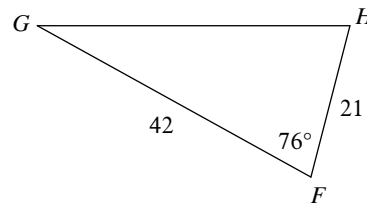
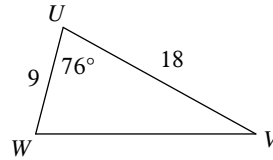
$\Delta EFG \sim$ _____

9) similar; AA similarity; ΔHGS



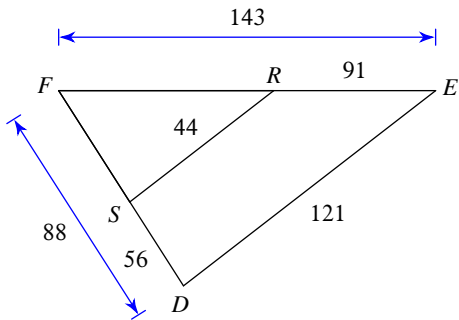
$\Delta HGF \sim$ _____

similar; SAS similarity; ΔUVW

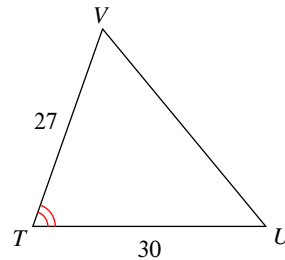
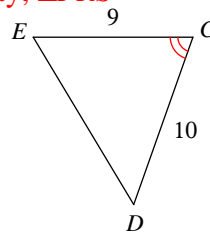


$\Delta FGH \sim$ _____

11) similar; SSS similarity; ΔFRS similar; SAS similarity; ΔCDE



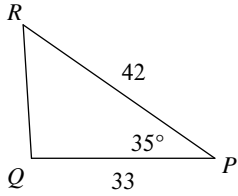
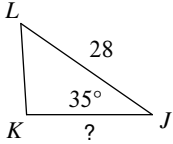
$\Delta FED \sim$ _____



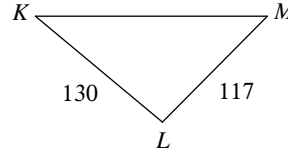
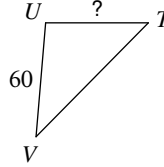
$\Delta TUV \sim$ _____

Find the missing length. The triangles in each pair are similar.

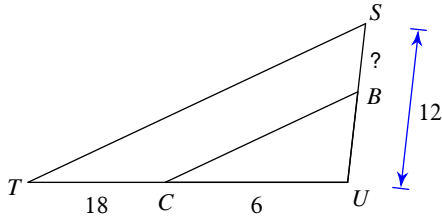
13) 22



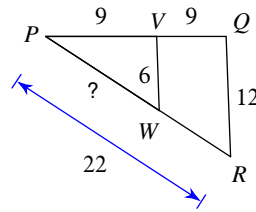
14) 54



15) 9

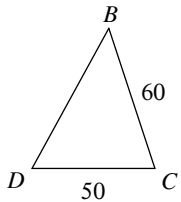
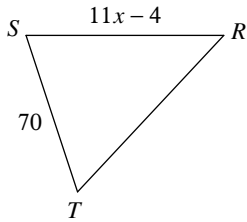


16) 11

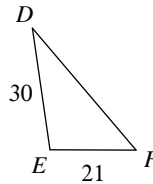
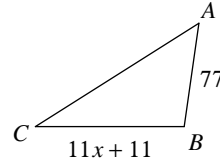


Solve for x . The triangles in each pair are similar.

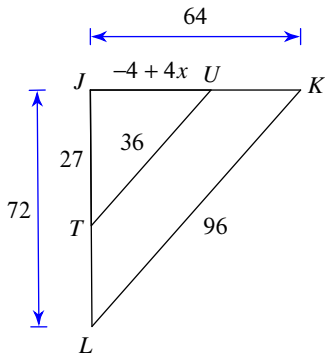
17) 8



18) 9



19) 7



20) 11

