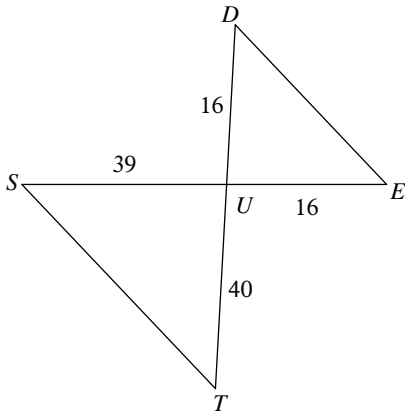


Similar Triangles

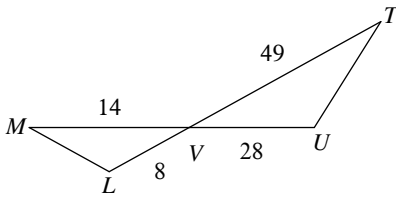
State if the triangles in each pair are similar. If so, state how you know they are similar and complete the similarity statement.

1)



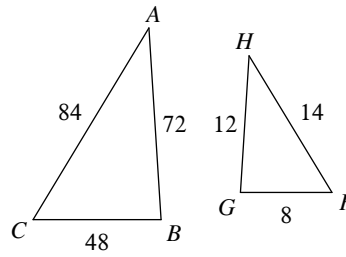
$\triangle UTS \sim$ _____

3)



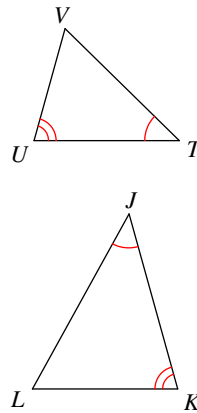
$\triangle VUT \sim$ _____

2)



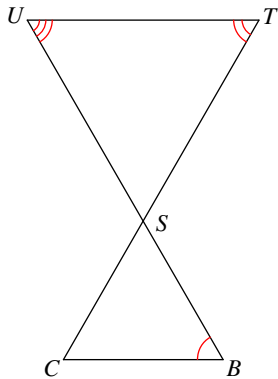
$\triangle CBA \sim$ _____

4)



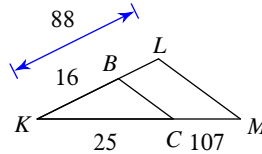
$\triangle JKL \sim$ _____

5)



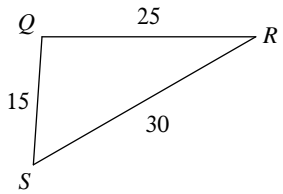
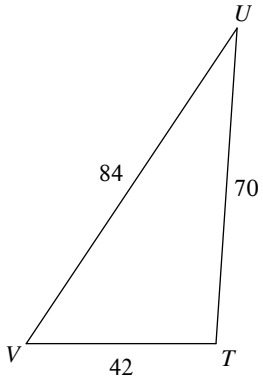
$\triangle STU \sim$ _____

6)



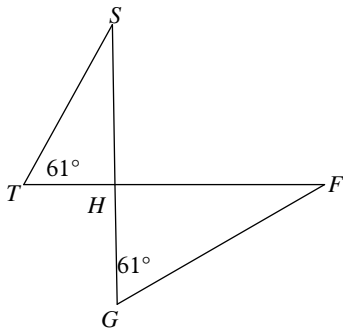
$\triangle KLM \sim$ _____

7)



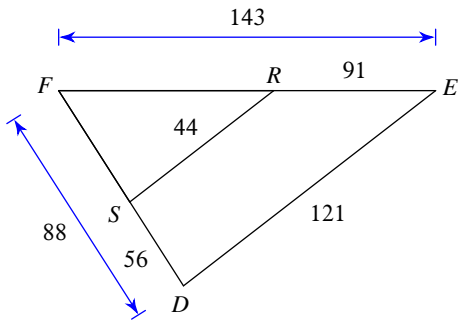
$\Delta TUV \sim$ _____

9)



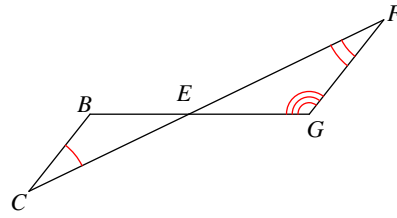
$\Delta HGF \sim$ _____

11)



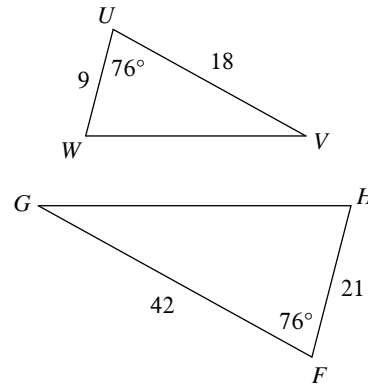
$\Delta FED \sim$ _____

8)



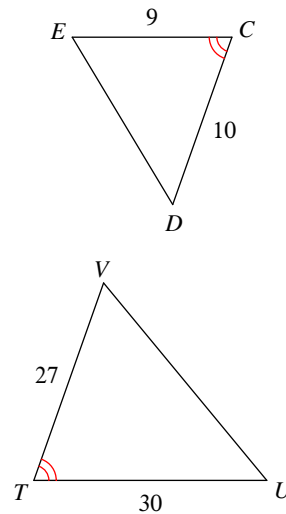
$\Delta EFG \sim$ _____

10)



$\Delta FGH \sim$ _____

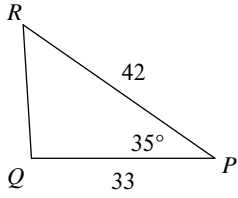
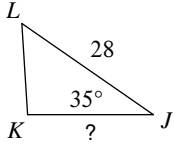
12)



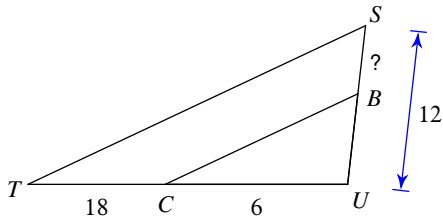
$\Delta TVU \sim$ _____

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

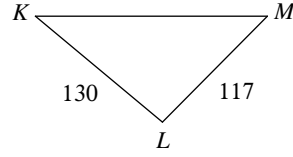
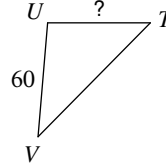
13)



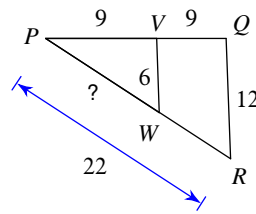
15)



14)

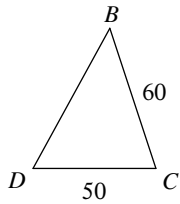
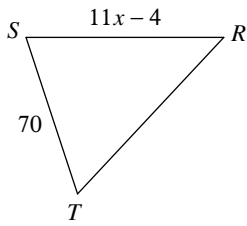


16)

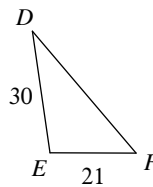
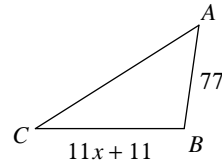


Solve for x . The triangles in each pair are similar.

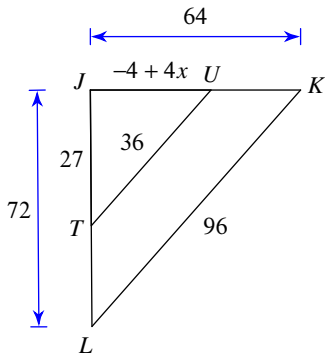
17)



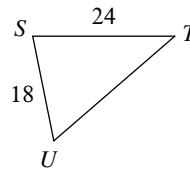
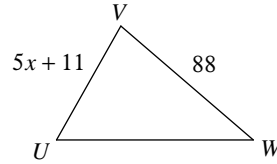
18)



19)



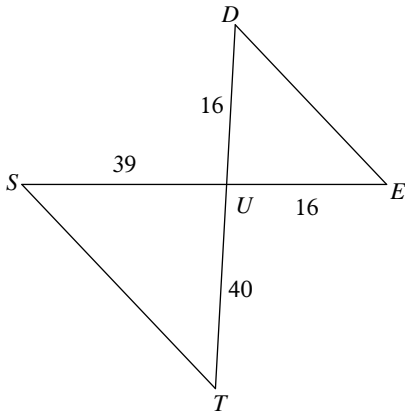
20)



Similar Triangles

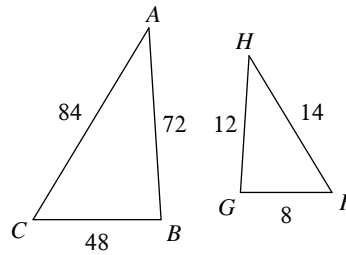
State if the triangles in each pair are similar. If so, state how you know they are similar and complete the similarity statement.

1) not similar



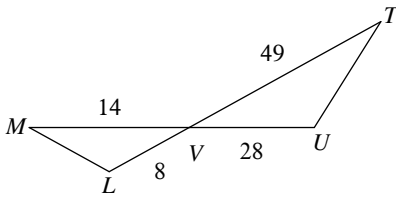
$\Delta UTS \sim$ _____

2) similar; SSS similarity; ΔFGH



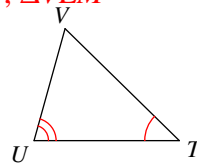
$\Delta CBA \sim$ _____

3) similar; SAS similarity; ΔVLM

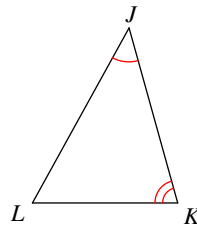


$\Delta VUT \sim$ _____

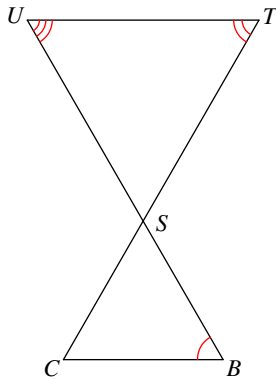
4) similar; AA similarity; ΔTUV



$\Delta JKL \sim$ _____

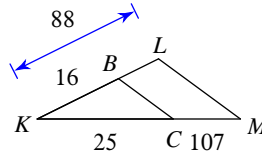


5) not similar



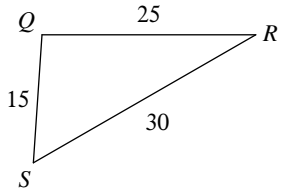
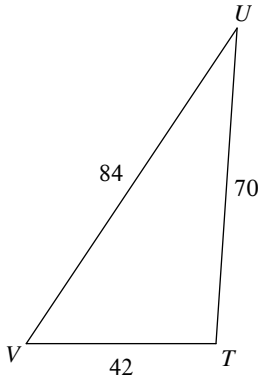
$\Delta STU \sim$ _____

6) not similar

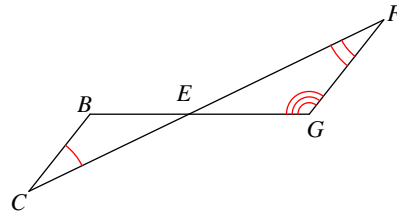


$\Delta KLM \sim$ _____

7) similar; SSS similarity; ΔQRS not similar

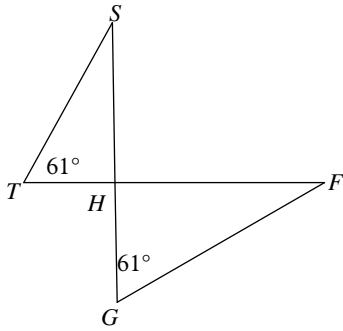


$\Delta TUV \sim$ _____

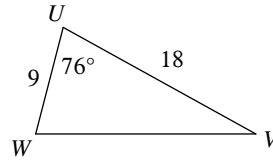


$\Delta EFG \sim$ _____

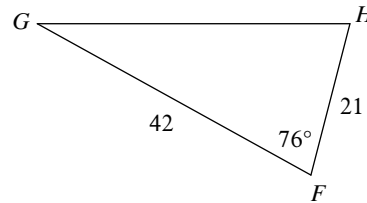
9) similar; AA similarity; ΔHGS



$\Delta HGF \sim$ _____

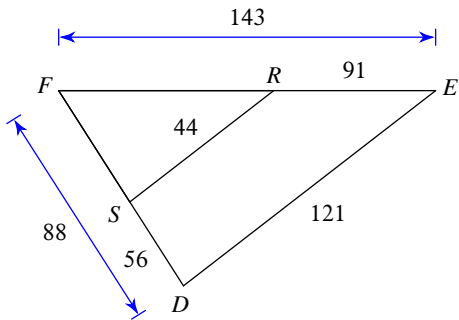


similar; SAS similarity; ΔUVW



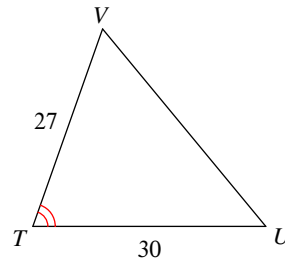
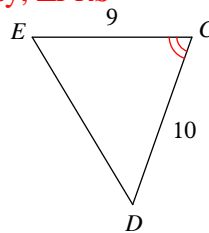
$\Delta FGH \sim$ _____

11) similar; SSS similarity; ΔFRS



$\Delta FED \sim$ _____

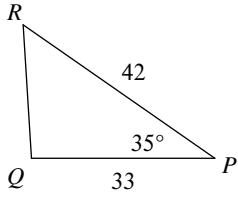
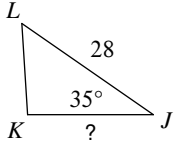
similar; SAS similarity; ΔCDE



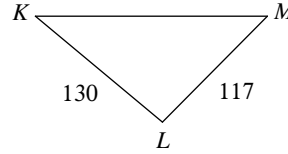
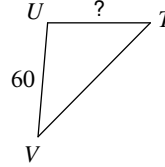
$\Delta TUV \sim$ _____

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

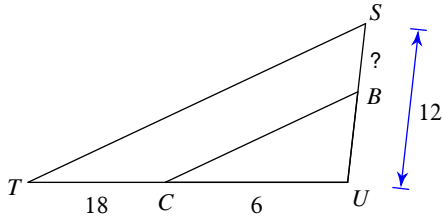
13) 22



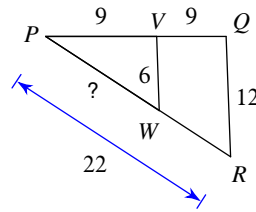
14) 54



15) 9

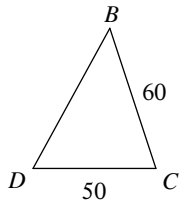
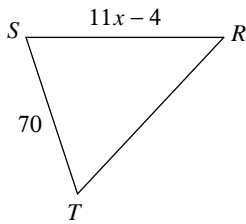


16) 11

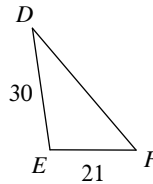
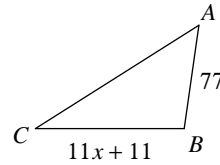


Solve for x . The triangles in each pair are similar.

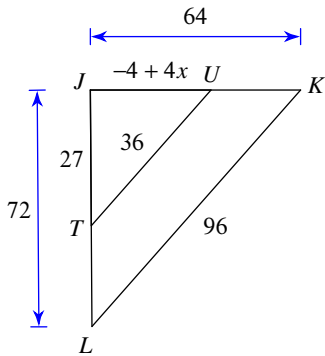
17) 8



18) 9



19) 7



20) 11

