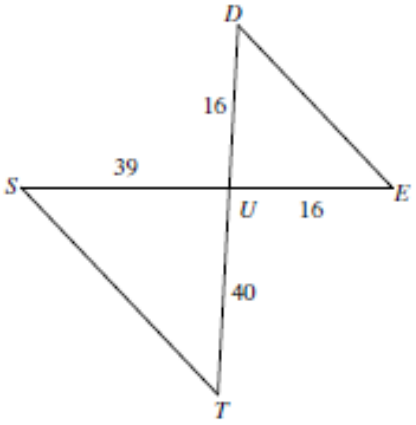
Practice: Similar Triangles

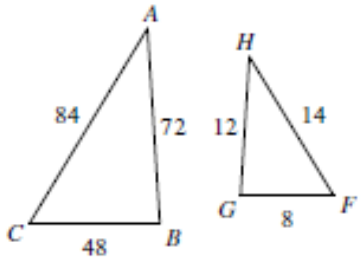
State if the triangles in each pair are similar. If so, state how you know they are similar and complete the similarity statement.

1)



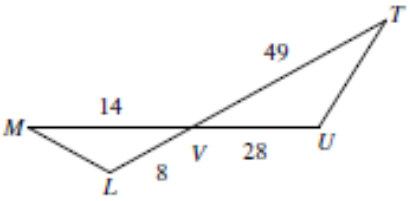
$\Delta UTS \sim$ _____

2)



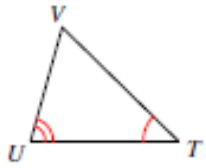
$\Delta CBA \sim$ _____

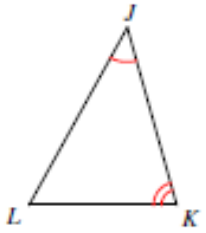
3)



$\Delta VUT \sim$ _____

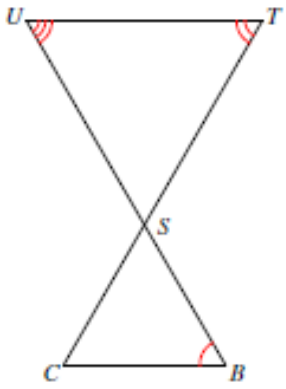
4)





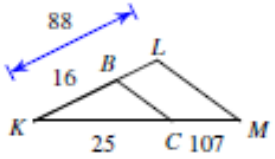
$\Delta JKL \sim$ _____

5)



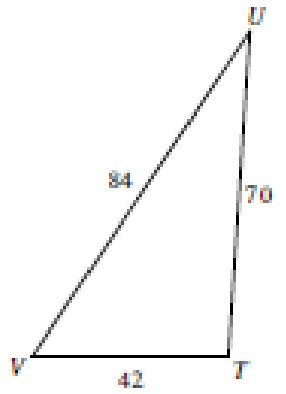
$\Delta STU \sim$ _____

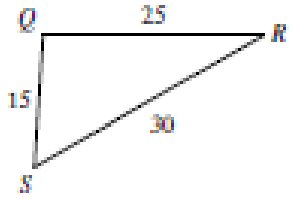
6)



$\Delta KLM \sim$ _____

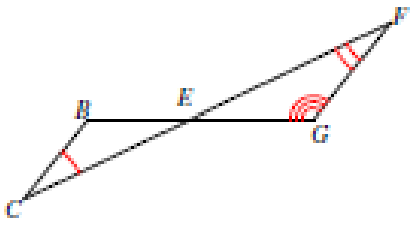
7)





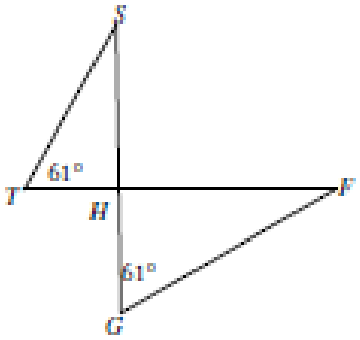
$\Delta TUV \sim$ _____

8)



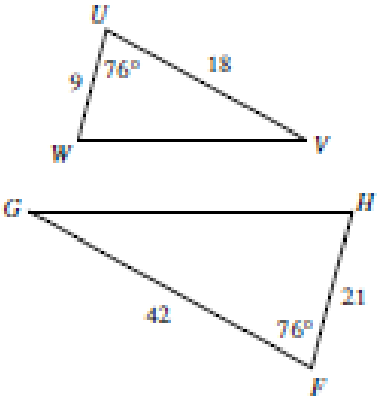
$\Delta EFG \sim$ _____

9)



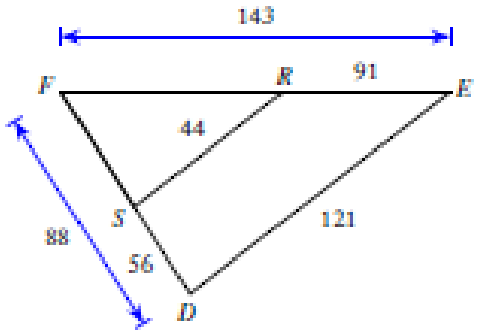
$\Delta HGF \sim$ _____

10)



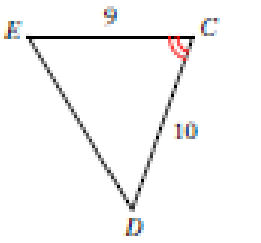
$\Delta FGH \sim$ _____

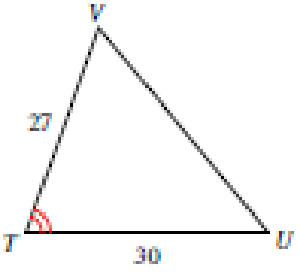
11)



$\Delta FED \sim$ _____

12)

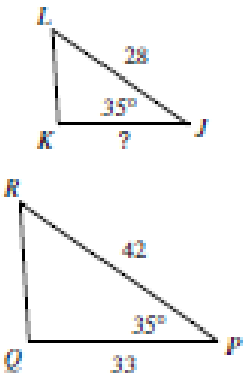




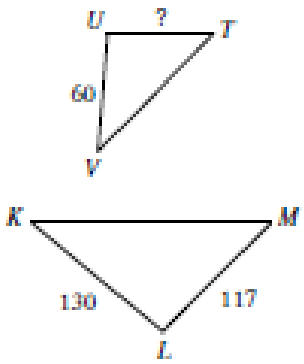
$\Delta TUV \sim$ _____

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

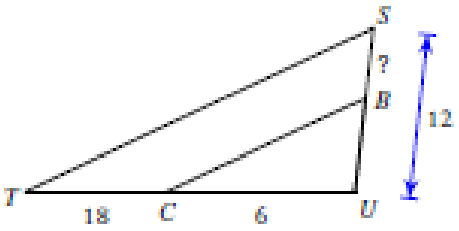
13)



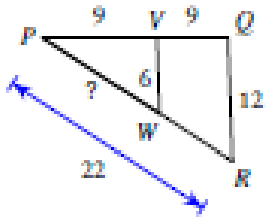
14)



15)

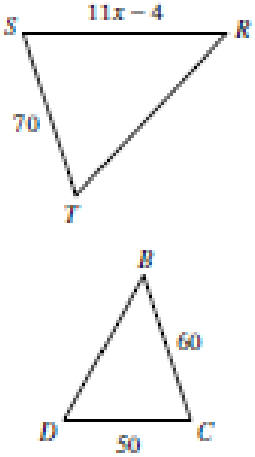


16)

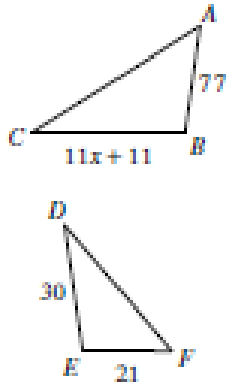


Solve for x. The triangles in each pair are similar.

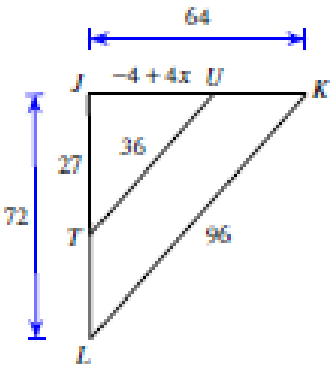
17)



18)



19)



20)