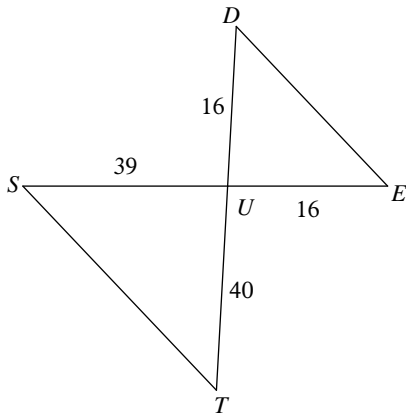


Similar Triangles

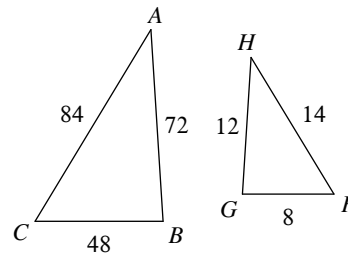
Date _____ Period _____

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

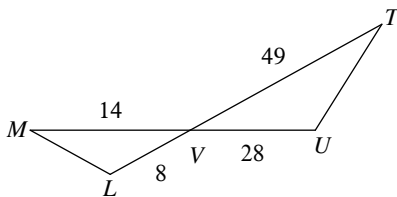
1)

 $\triangle UTS \sim$ _____

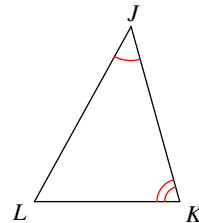
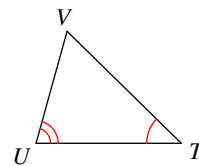
2)

 $\triangle CBA \sim$ _____

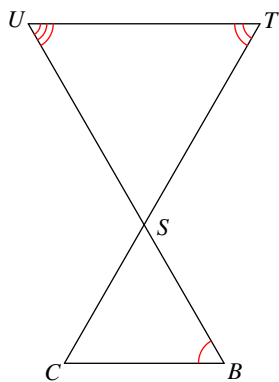
3)

 $\triangle VUT \sim$ _____

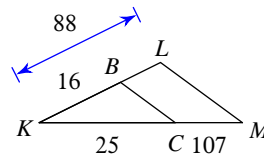
4)

 $\triangle JKL \sim$ _____

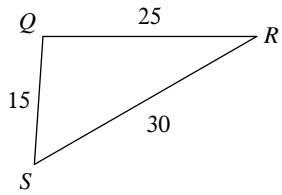
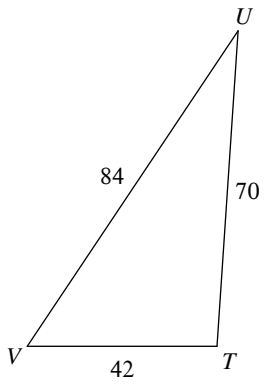
5)

 $\triangle STU \sim$ _____

6)

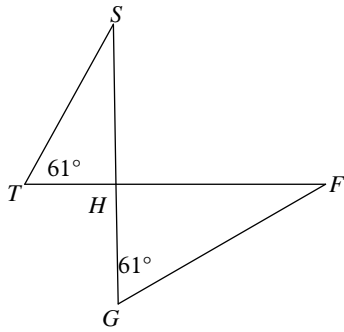
 $\triangle KLM \sim$ _____

7)



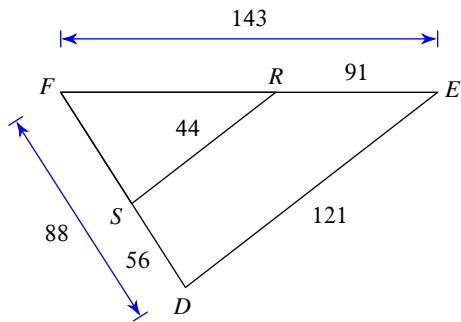
$\triangle TUV \sim$ _____

9)



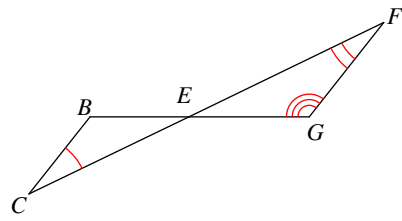
$\triangle HGF \sim$ _____

11)



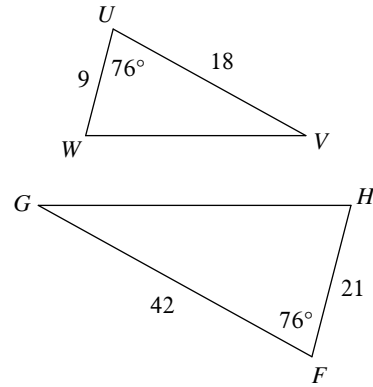
$\triangle FED \sim$ _____

8)



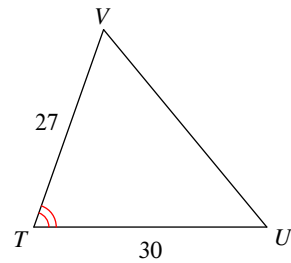
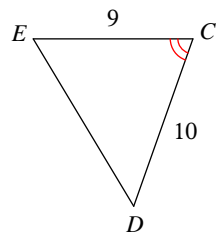
$\triangle EFG \sim$ _____

10)



$\triangle FGH \sim$ _____

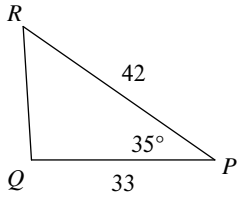
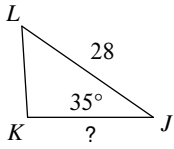
12)



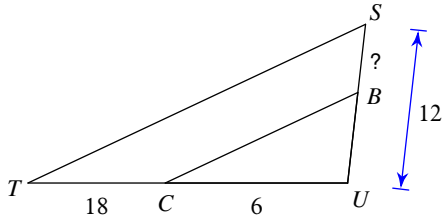
$\triangle TUV \sim$ _____

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

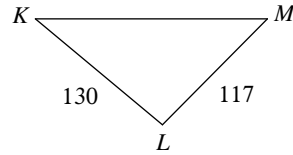
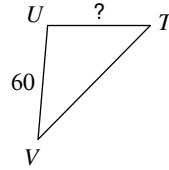
13)



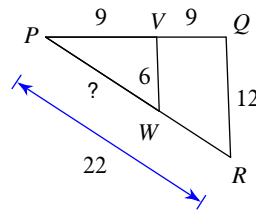
15)



14)

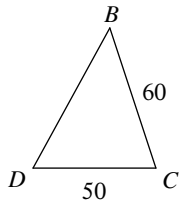
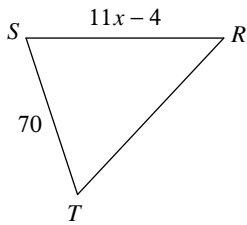


16)

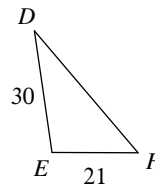
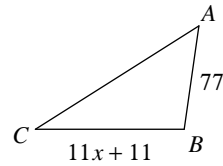


Solve for x . The triangles in each pair are similar.

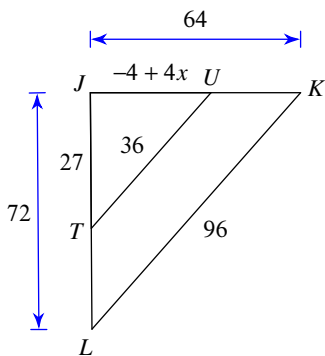
17)



18)



19)



20)

