

M9 6.4 Assignment

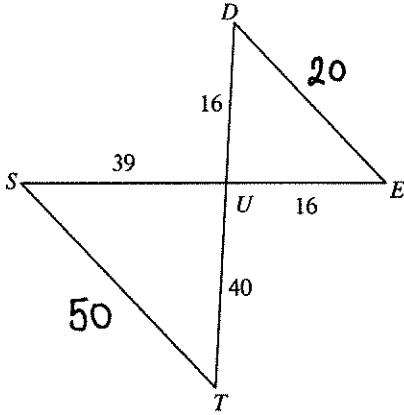
Name _____

Similar Triangles

Date _____ Period _____

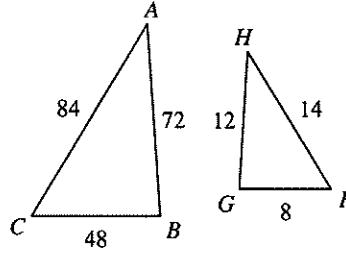
State if the triangles in each pair are similar. If so, state how you know they are similar and complete the similarity statement.

1)



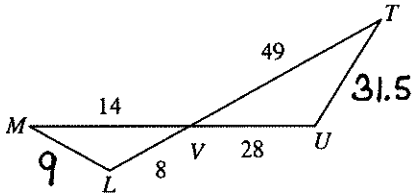
$\triangle UTS \sim$ _____

2)



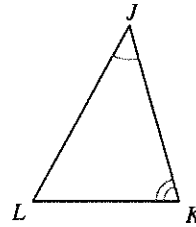
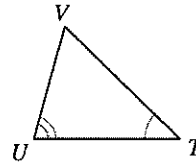
$\triangle CBA \sim$ _____

3)



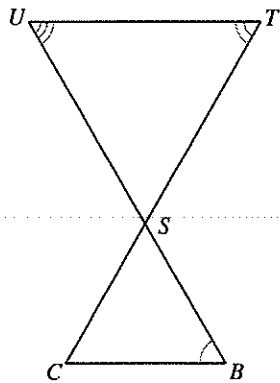
$\triangle VUT \sim$ _____

4)



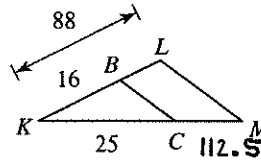
$\triangle JKL \sim$ _____

5)



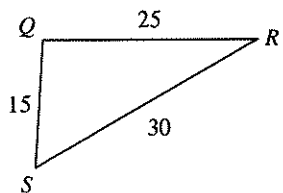
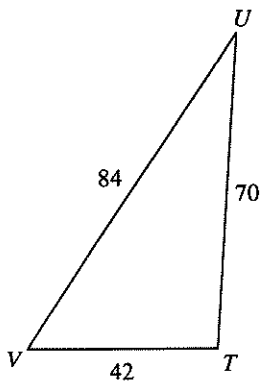
$\triangle STU \sim$ _____

L4 6)



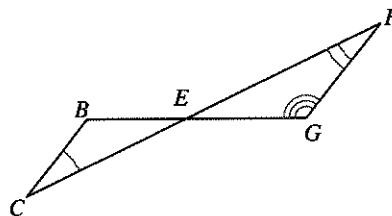
$\triangle KLM \sim$ _____

7)



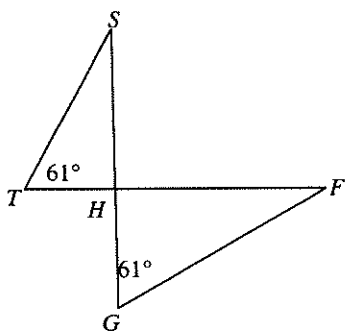
$\Delta TUV \sim$ _____

8)



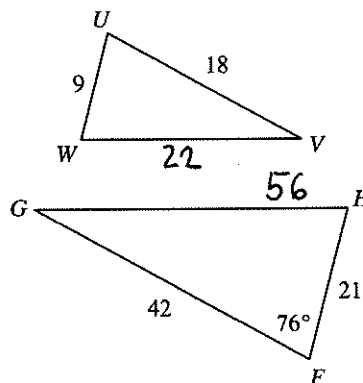
$\Delta EFG \sim$ _____

9)



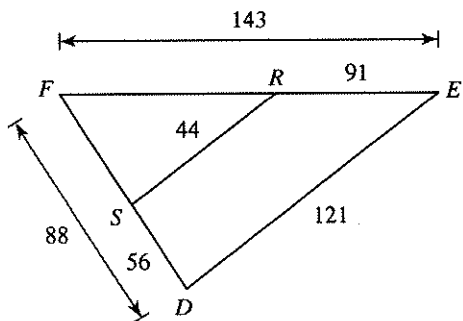
$\Delta HGF \sim$ _____

10)



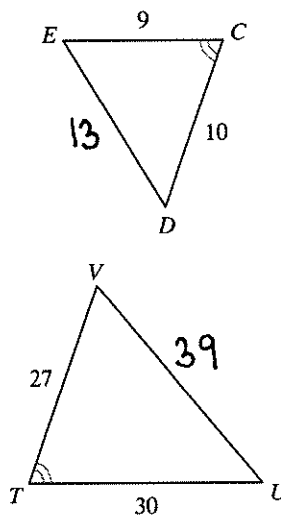
$\Delta FGH \sim$ _____

11)



$\Delta FED \sim$ _____

12)



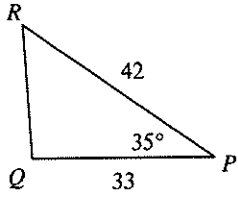
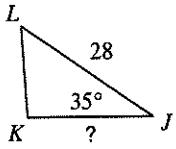
$\Delta TUV \sim$ _____

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

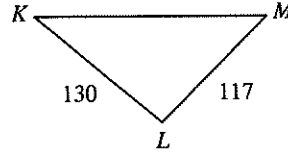
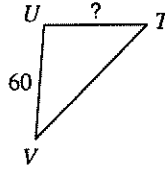
$$\triangle KLM \sim \triangle VUT$$

13)

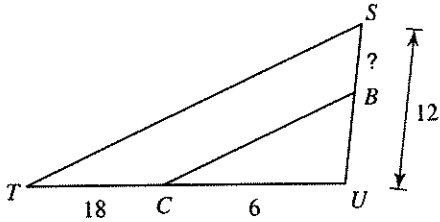
$$\triangle K LJ \sim \triangle QRP$$



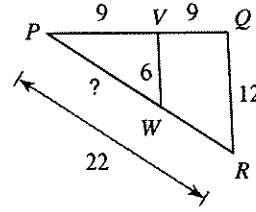
14)



L4 15)

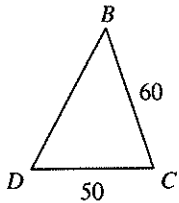
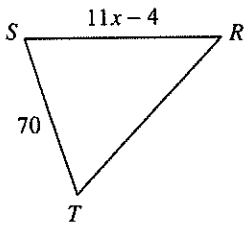


L4 16)

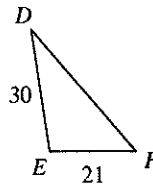
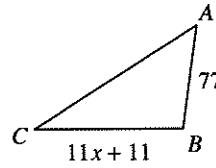


L4 Solve for x. The triangles in each pair are similar.

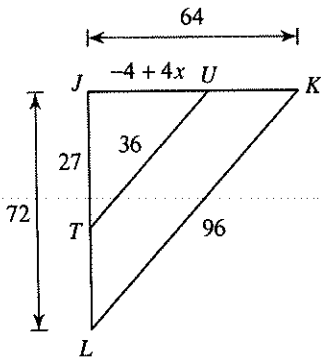
17)



18)



19)



20)

