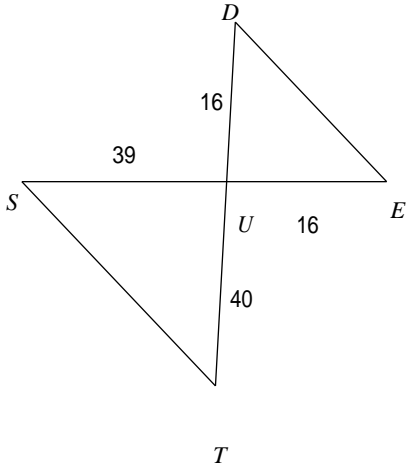


# Similar Triangles

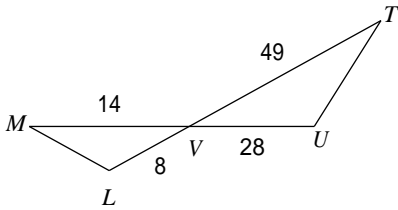
State if the triangles in each pair are similar. If so, state how you know they are similar and complete the similarity statement.

1)



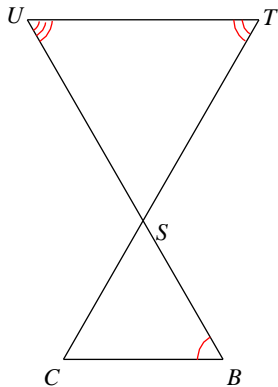
$\triangle UTS \sim$  \_\_\_\_\_

3)



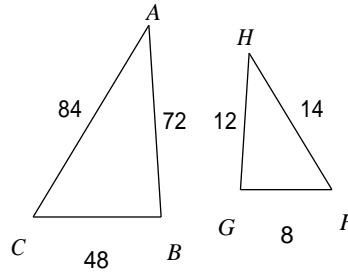
$\triangle VUT \sim$  \_\_\_\_\_

5)



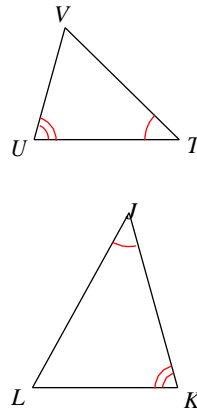
$\triangle STU \sim$  \_\_\_\_\_

2)



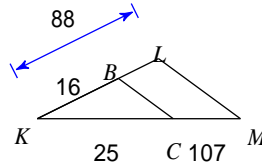
$\triangle CBA \sim$  \_\_\_\_\_

4)



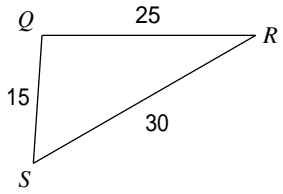
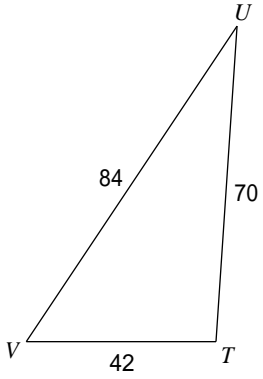
$\triangle JKL \sim$  \_\_\_\_\_

6)



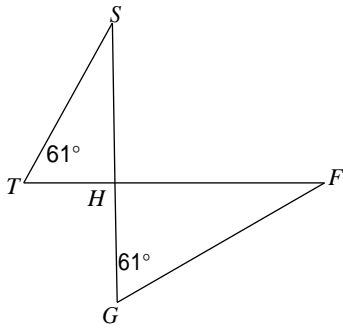
$\triangle KLM \sim$  \_\_\_\_\_

7)



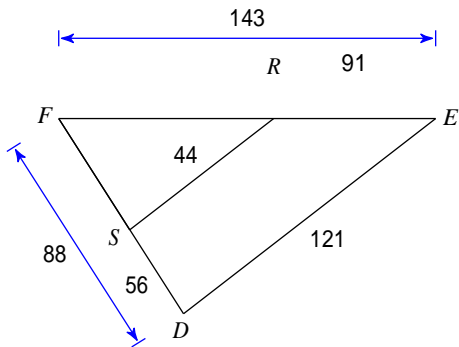
$\Delta TUV \sim$  \_\_\_\_\_

9)



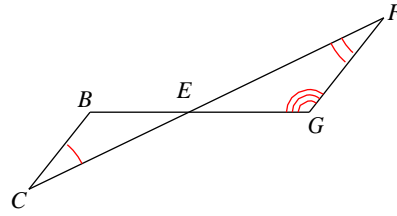
$\Delta HGF \sim$  \_\_\_\_\_

11)



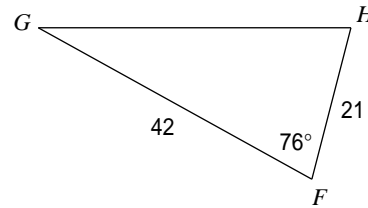
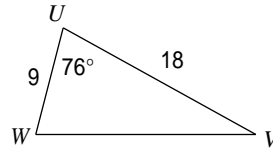
$\Delta FED \sim$  \_\_\_\_\_

8)



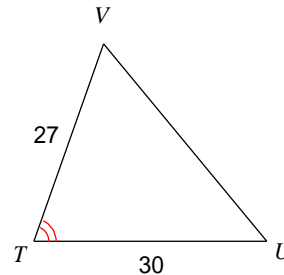
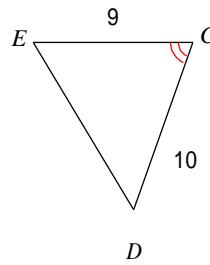
$\Delta EFG \sim$  \_\_\_\_\_

10)



$\Delta FGH \sim$  \_\_\_\_\_

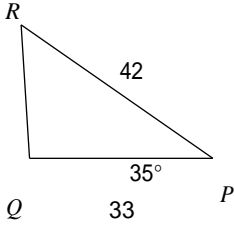
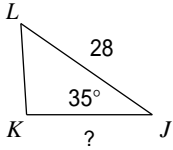
12)



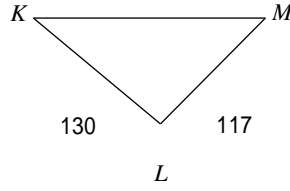
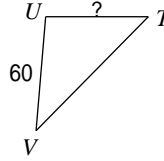
$\Delta TUV \sim$  \_\_\_\_\_

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

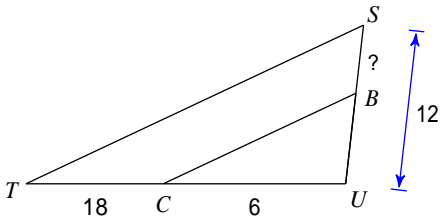
13)



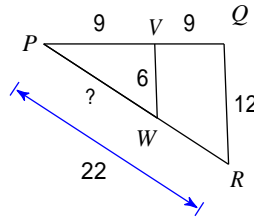
14)



15)

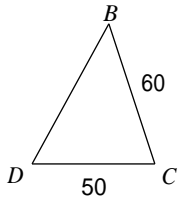
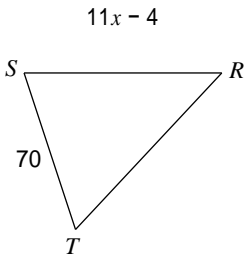


16)

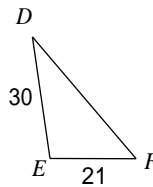
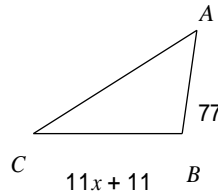


Solve for  $x$ . The triangles in each pair are similar.

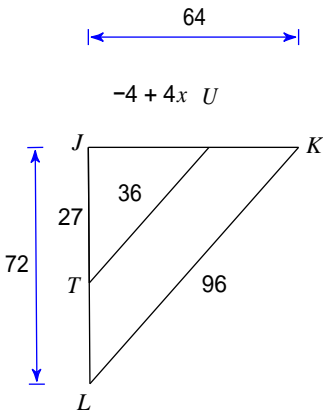
17)



18)



19)



20)

