

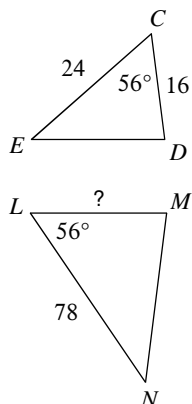
Triangle similarity: AA, SSS, SAS

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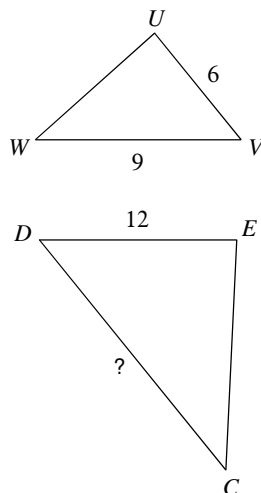
Date _____ Period _____

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

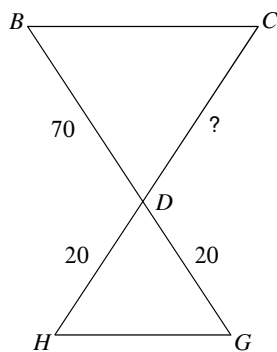
1)



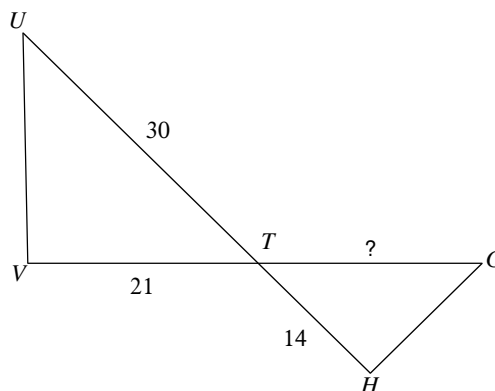
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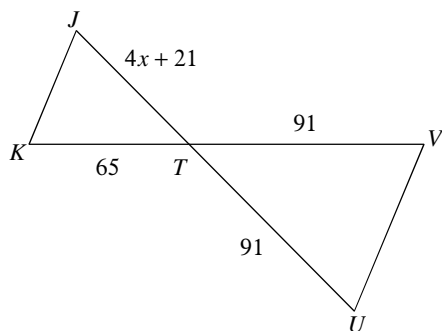
3)



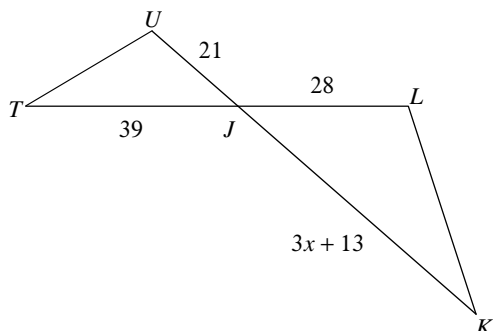
4)

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

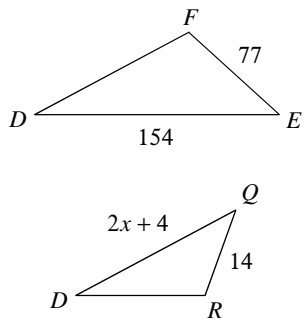
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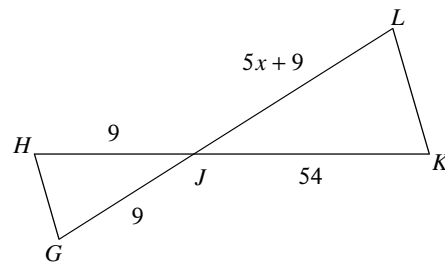
6)



7)

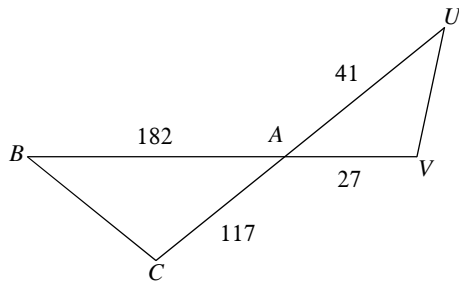


8)

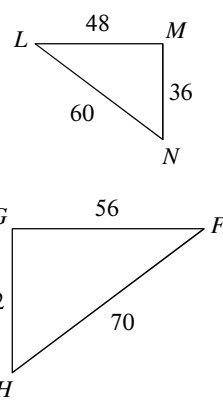


State if the triangles in each pair are similar. If so, state how you know they are similar.

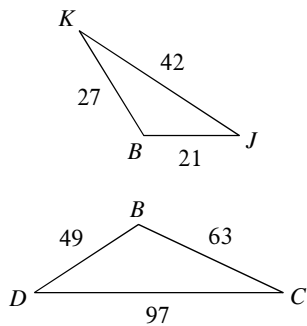
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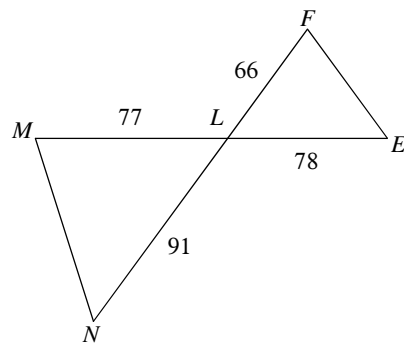
10)



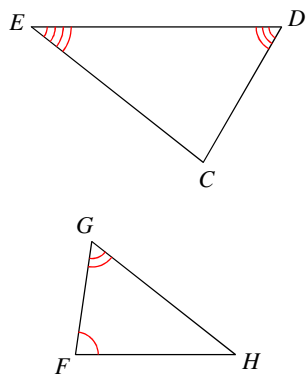
11)



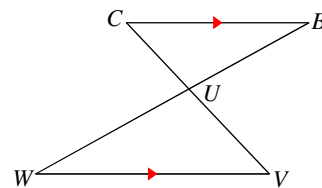
12)



13)

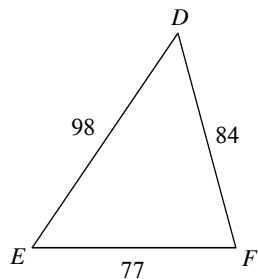
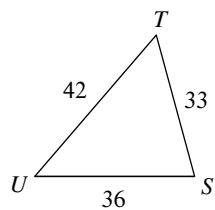


14)



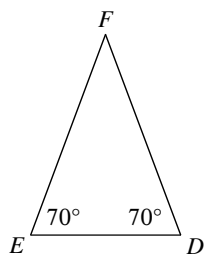
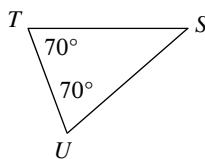
State if the triangles in each pair are similar. If so, complete the similarity statement.

15)



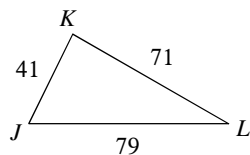
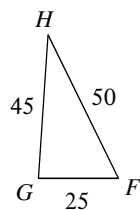
$\triangle DEF \sim \underline{\hspace{2cm}}$

16)



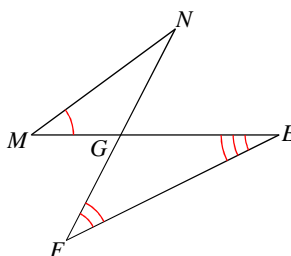
$\triangle DEF \sim \underline{\hspace{2cm}}$

17)



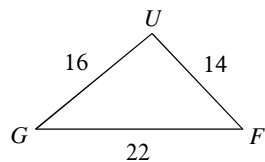
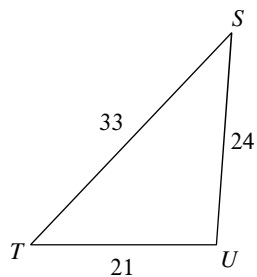
$\triangle JKL \sim \underline{\hspace{2cm}}$

18)



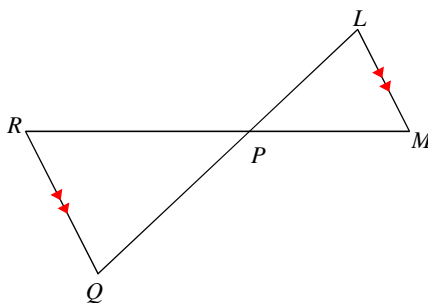
$\triangle GFE \sim \underline{\hspace{2cm}}$

19)



$\triangle UTS \sim \underline{\hspace{2cm}}$

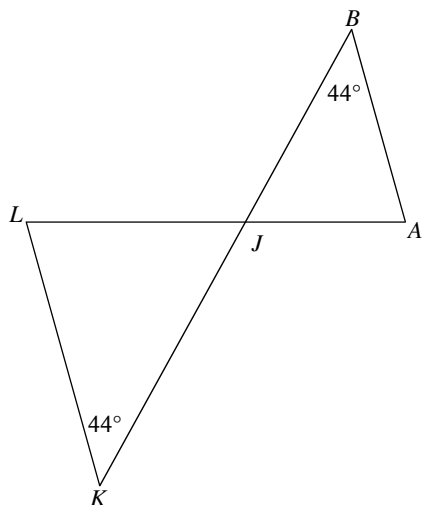
20)



$\triangle PQR \sim \underline{\hspace{2cm}}$

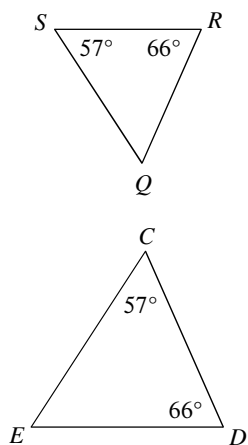
State if the triangles in each pair are similar. If so, state how you know they are similar and complete the similarity statement.

21)



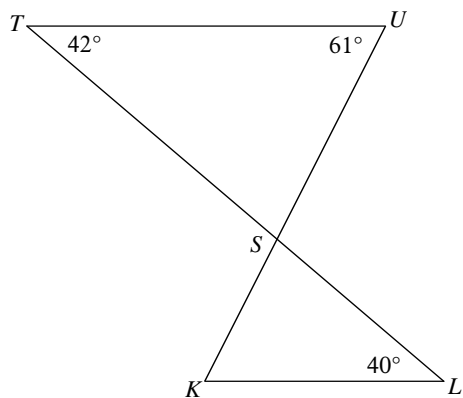
$\triangle JKL \sim$ _____

23)



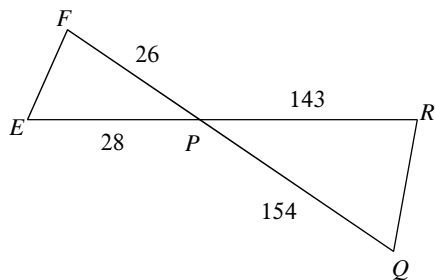
$\triangle CDE \sim$ _____

25)



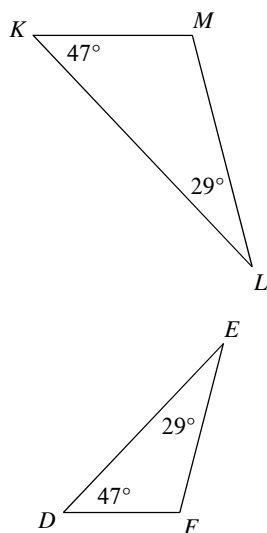
$\triangle STU \sim$ _____

22)



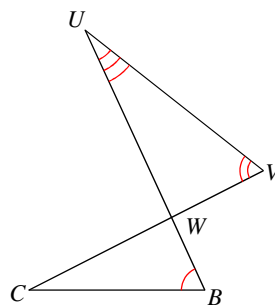
$\triangle PQR \sim$ _____

24)



$\triangle KLM \sim$ _____

26)



$\triangle WVU \sim$ _____