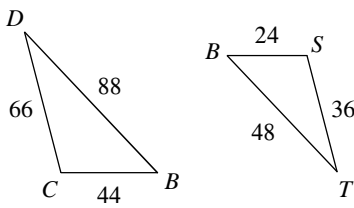


Similar Triangles

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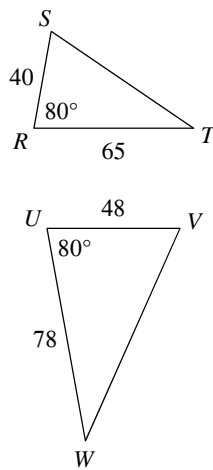
State if the triangles in each pair are similar. If so, state how you know they are similar and complete the similarity statement.

1)



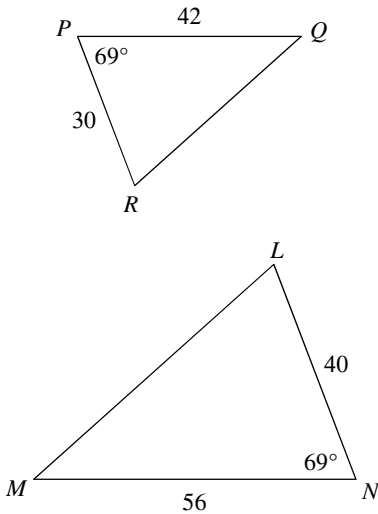
$\Delta BCD \sim$ _____

2)



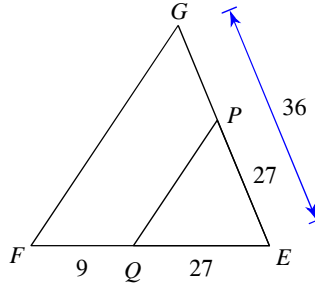
$\Delta UVW \sim$ _____

3)



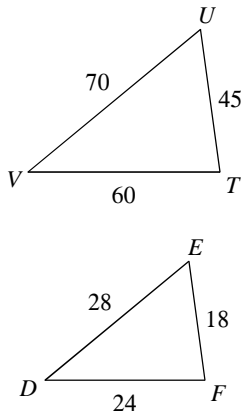
$\Delta NML \sim$ _____

4)



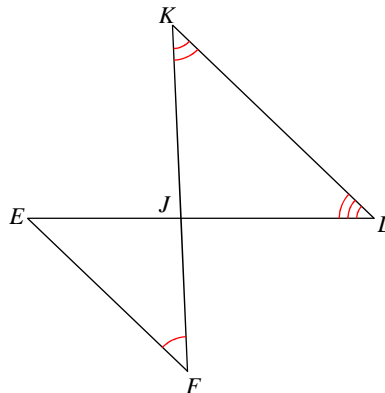
$\Delta EFG \sim$ _____

5)



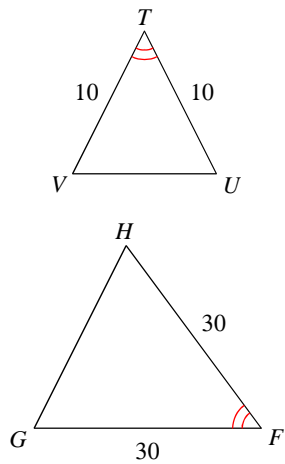
$\Delta VUT \sim$ _____

6)



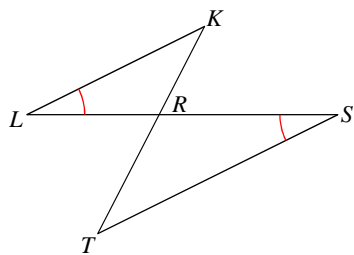
$\Delta JKL \sim$ _____

7)



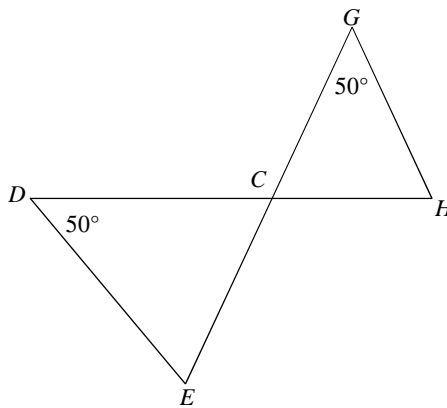
$\Delta FGH \sim \underline{\hspace{2cm}}$

9)



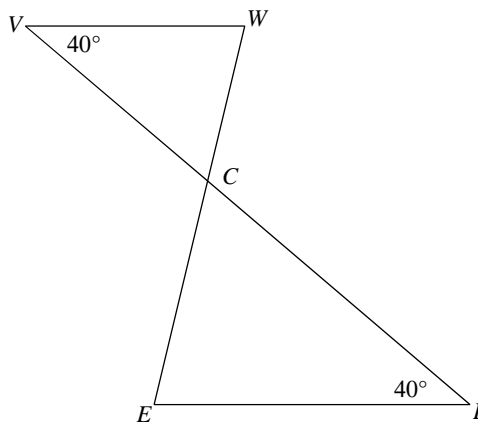
$\Delta RST \sim \underline{\hspace{2cm}}$

8)



$\Delta CDE \sim \underline{\hspace{2cm}}$

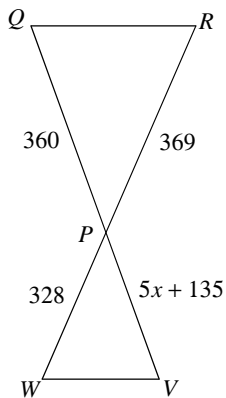
10)



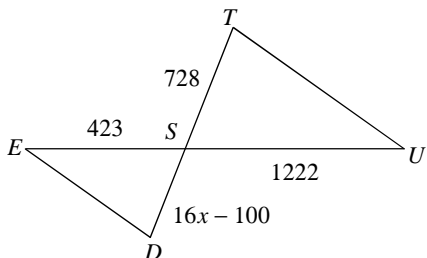
$\Delta CDE \sim \underline{\hspace{2cm}}$

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

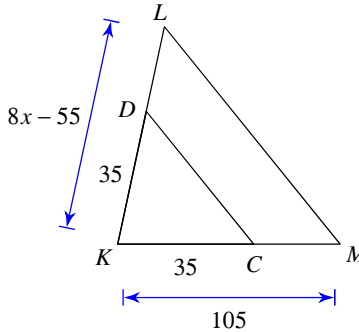
11)



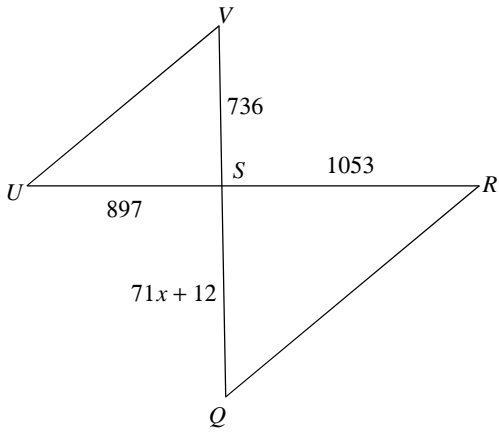
13)



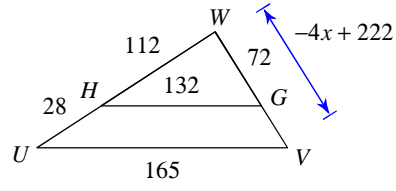
12)



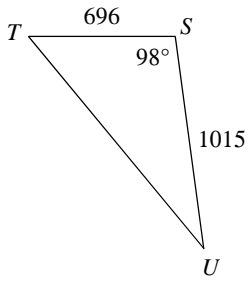
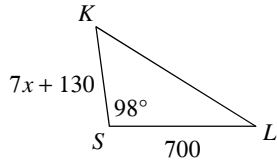
14)



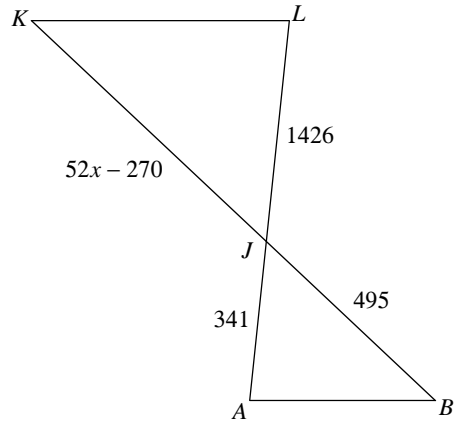
15)



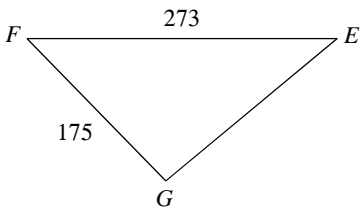
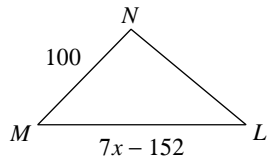
16)



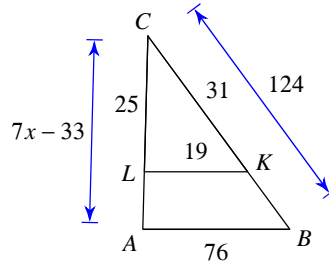
17)



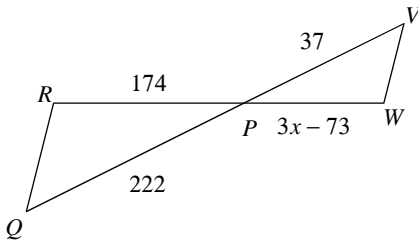
18)



19)



20)



Answers to Similar Triangles (ID: 1)

- | | | | |
|---|---|---|--------|
| 1) similar; SSS similarity; $\triangle BST$ | 2) similar; SAS similarity; $\triangle RST$ | 3) similar; SAS similarity; $\triangle PQR$ | |
| 4) similar; SAS similarity; $\triangle EQP$ | 5) similar; SSS similarity; $\triangle DEF$ | 6) not similar | |
| 7) similar; SAS similarity; $\triangle TUV$ | 8) similar; AA similarity; $\triangle CGH$ | 9) similar; AA similarity; $\triangle RLK$ | |
| 10) similar; AA similarity; $\triangle CVW$ | 11) 37 | 12) 20 | |
| 13) 22 | 14) 12 | 15) 33 | 16) 50 |
| 17) 45 | 18) 44 | 19) 19 | 20) 34 |