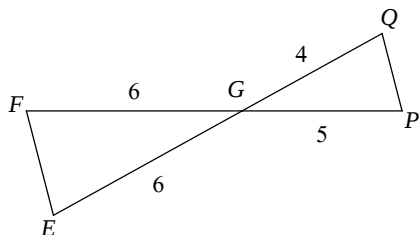


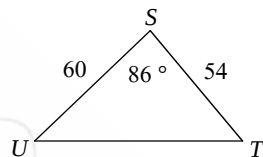
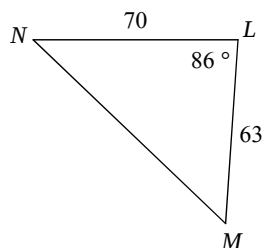
State if the triangles in each pair are similar. If so, state how you know they are similar and complete the similarity statement.

1)



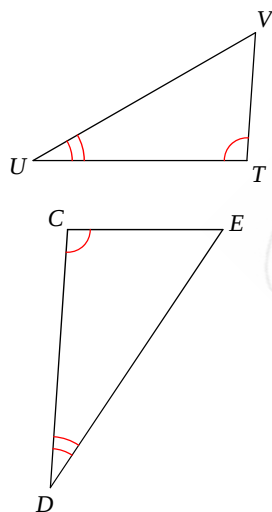
$\triangle GFE \sim$ _____

2)



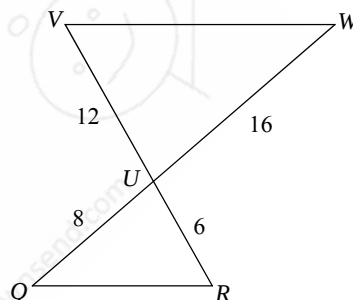
$\triangle LMN \sim$ _____

3)



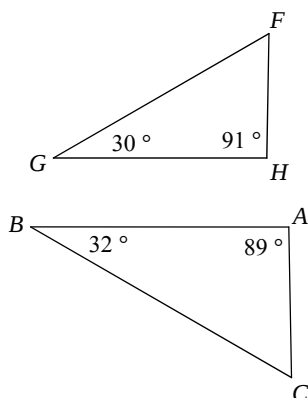
$\triangle CDE \sim$ _____

4)



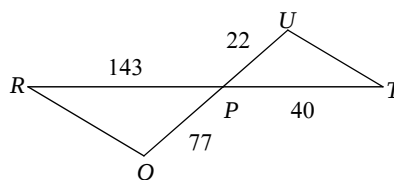
$\triangle UVW \sim$ _____

5)



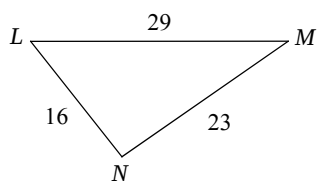
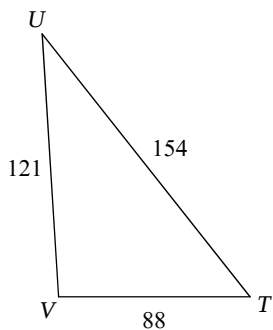
$\triangle ABC \sim$ _____

6)

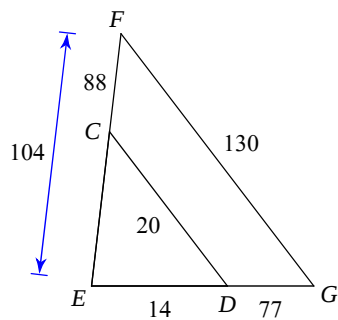


$\triangle PQR \sim$ _____

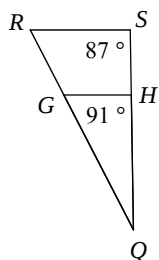
7)


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

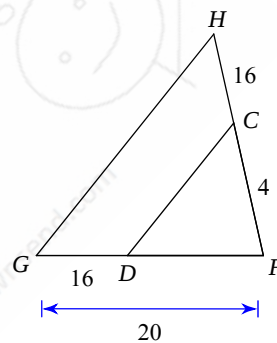
8)


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

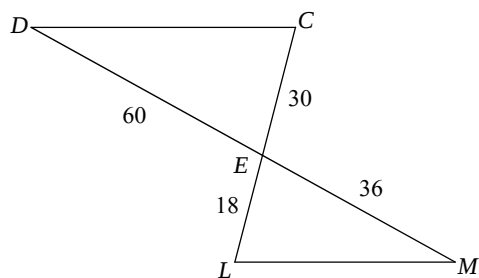
9)


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

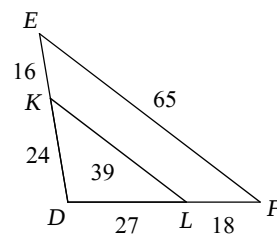
10)


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

11)


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

12)


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

Answers to

- | | |
|--|--|
| 1) not similar | 2) similar; SAS similarity; $\triangle STU$ |
| 3) similar; AA similarity; $\triangle TUV$ | 4) similar; SAS similarity; $\triangle URQ$ |
| 5) not similar | 6) not similar |
| 7) not similar | 8) similar; SSS similarity; $\triangle ECD$ |
| 9) not similar | 10) similar; SAS similarity; $\triangle FDC$ |
| 11) similar; SAS similarity; $\triangle EML$ | 12) similar; SSS similarity; $\triangle DKL$ |

