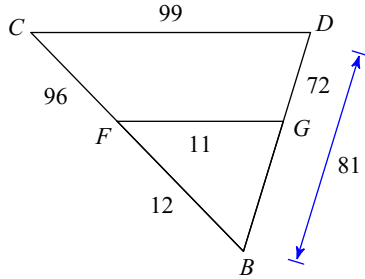


# Similar Triangles

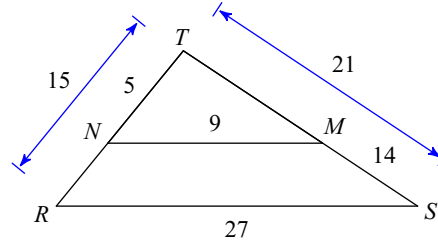
State if the triangles in each pair are similar. If so, state how you know they are similar and complete the similarity statement.

1)



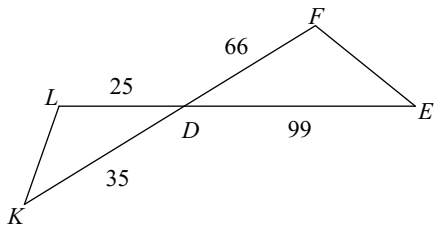
$\triangle BCD \sim$  \_\_\_\_\_

2)



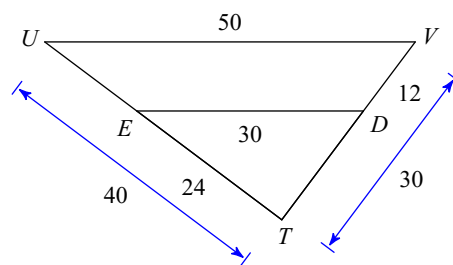
$\triangle TSR \sim$  \_\_\_\_\_

3)



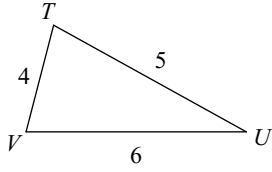
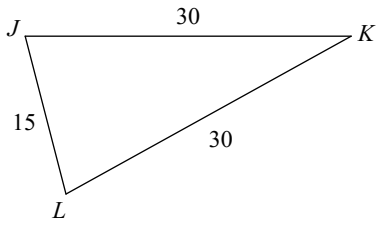
$\triangle DEF \sim$  \_\_\_\_\_

4)



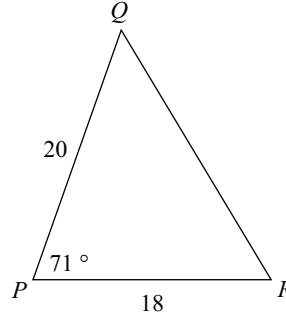
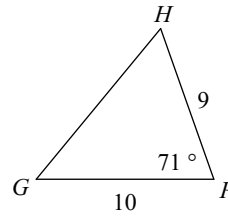
$\triangle TUV \sim$  \_\_\_\_\_

5)



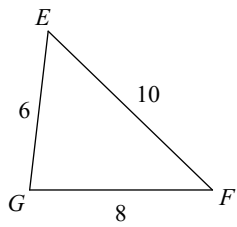
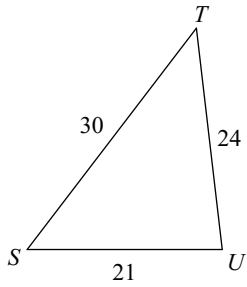
$\triangle LKJ \sim$  \_\_\_\_\_

6)



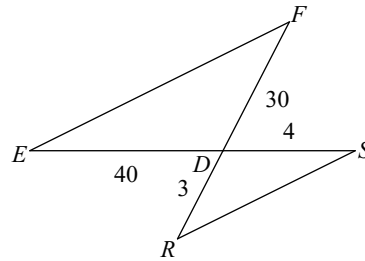
$\triangle PQR \sim$  \_\_\_\_\_

7)



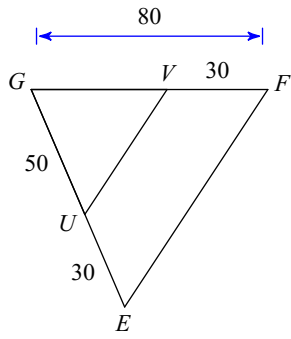
$\triangle STU \sim$  \_\_\_\_\_

8)



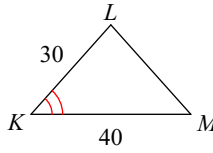
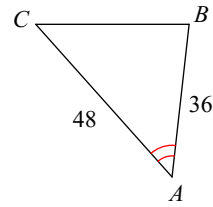
$\triangle DEF \sim$  \_\_\_\_\_

9)



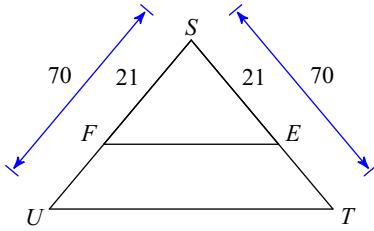
$\triangle GFE \sim$  \_\_\_\_\_

10)



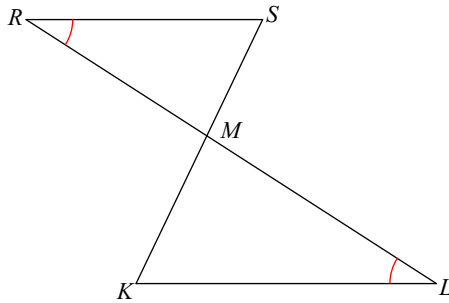
$\triangle ABC \sim$  \_\_\_\_\_

11)



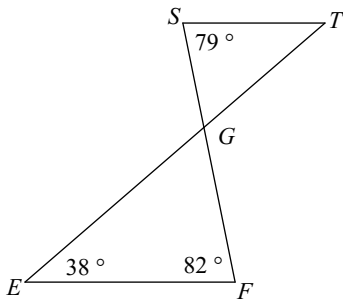
$\triangle STU \sim$  \_\_\_\_\_

12)



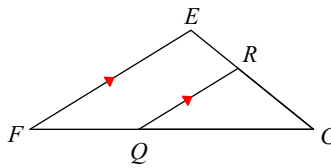
$\triangle MLK \sim$  \_\_\_\_\_

13)



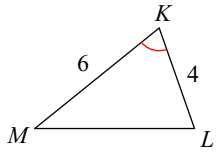
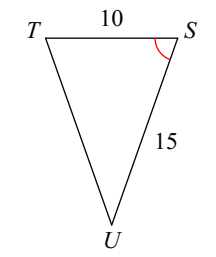
$\triangle GFE \sim$  \_\_\_\_\_

14)



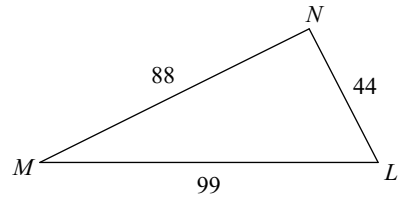
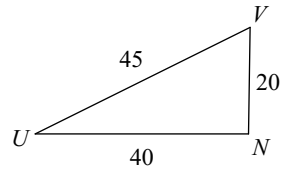
$\triangle GFE \sim$  \_\_\_\_\_

15)



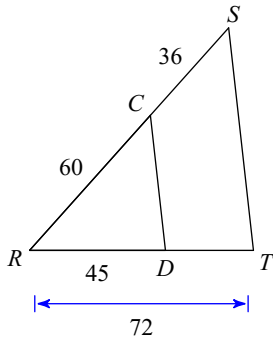
$\triangle STU \sim$  \_\_\_\_\_

16)



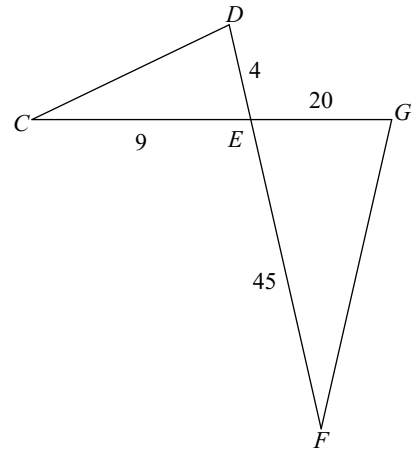
$\triangle NML \sim$  \_\_\_\_\_

17)



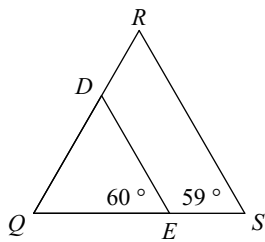
$\triangle RST \sim$  \_\_\_\_\_

18)



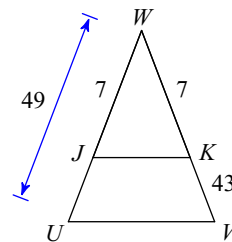
$\triangle EFG \sim$  \_\_\_\_\_

19)



$\triangle QRS \sim$  \_\_\_\_\_

20)

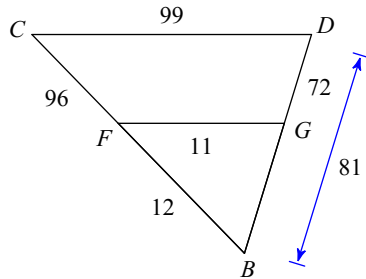


$\triangle WUV \sim$  \_\_\_\_\_

# 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.

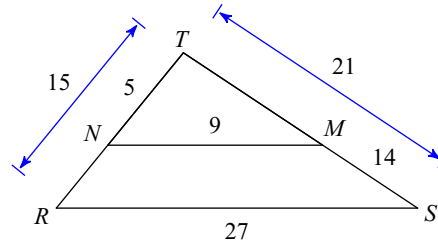
1)



$\triangle BCD \sim$  \_\_\_\_\_

similar; SSS and SAS similarity;  $\triangle BFG$

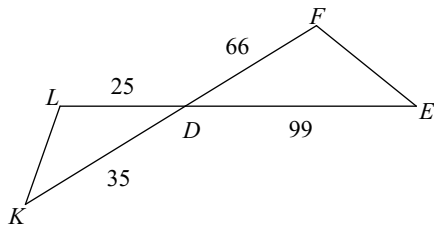
2)



$\triangle TSR \sim$  \_\_\_\_\_

similar; SSS and SAS similarity;  $\triangle TMN$

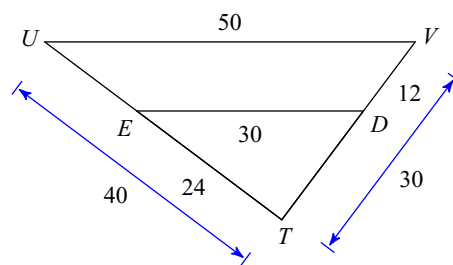
3)



$\triangle DEF \sim$  \_\_\_\_\_

not similar

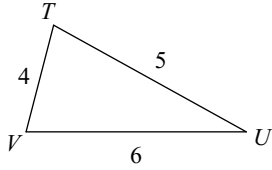
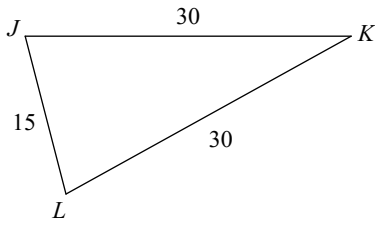
4)



$\triangle TUV \sim$  \_\_\_\_\_

similar; SSS and SAS similarity;  $\triangle TED$

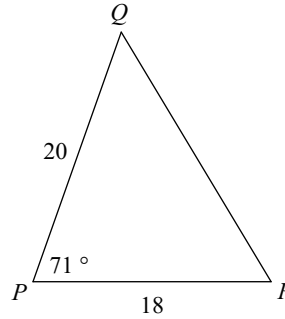
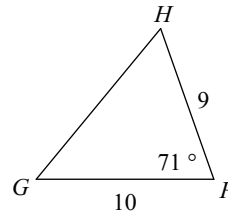
5)



$\triangle LKJ \sim$  \_\_\_\_\_

**not similar**

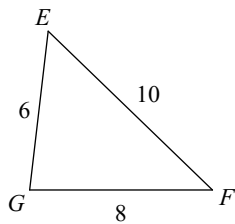
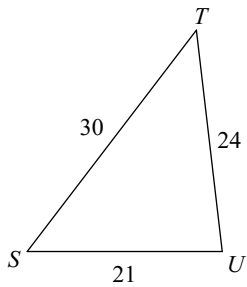
6)



$\triangle PQR \sim$  \_\_\_\_\_

**similar; SAS similarity;  $\triangle PGH$**

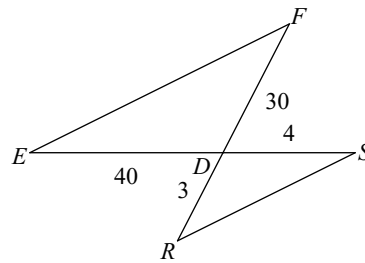
7)



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

**not similar**

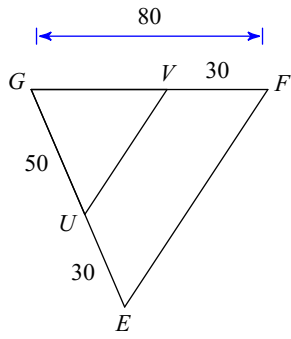
8)



$\triangle DEF \sim$  \_\_\_\_\_

**similar; SAS similarity;  $\triangle DSR$**

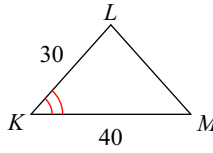
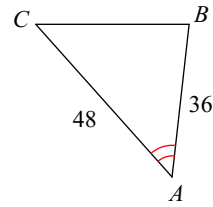
9)



$\triangle GFE \sim$  \_\_\_\_\_

similar; SAS similarity;  $\triangle GVU$

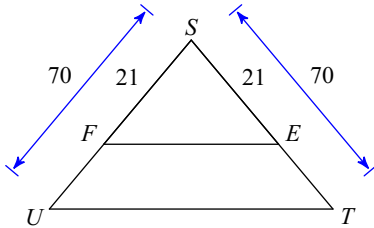
10)



$\triangle ABC \sim$  \_\_\_\_\_

similar; SAS similarity;  $\triangle KLM$

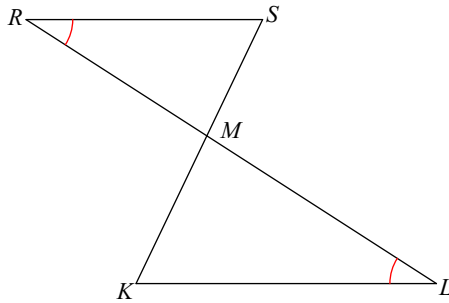
11)



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

similar; SAS similarity;  $\triangle SEF$

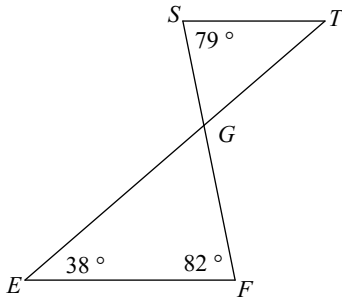
12)



$\triangle MLK \sim$  \_\_\_\_\_

similar; AA similarity;  $\triangle MRS$

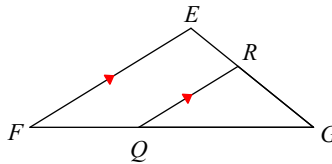
13)



$\triangle GFE \sim$  \_\_\_\_\_

not similar

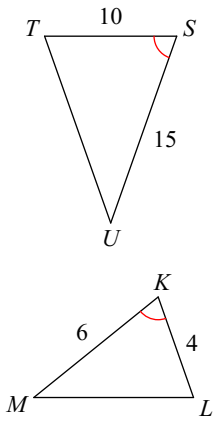
14)



$\triangle GFE \sim$  \_\_\_\_\_

similar; AA similarity;  $\triangle GQR$

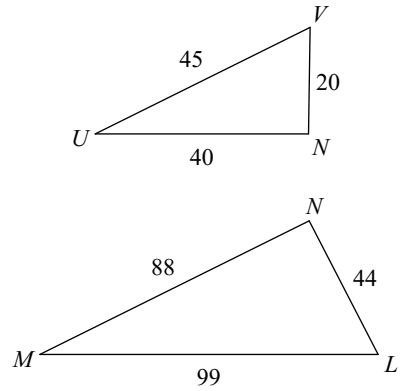
15)



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

similar; SAS similarity;  $\triangle KLM$

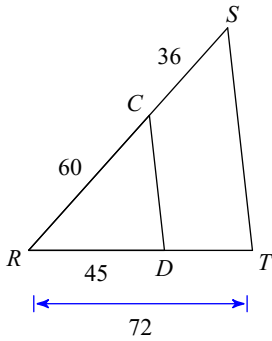
16)



$\triangle NML \sim$  \_\_\_\_\_

similar; SSS similarity;  $\triangle UVN$

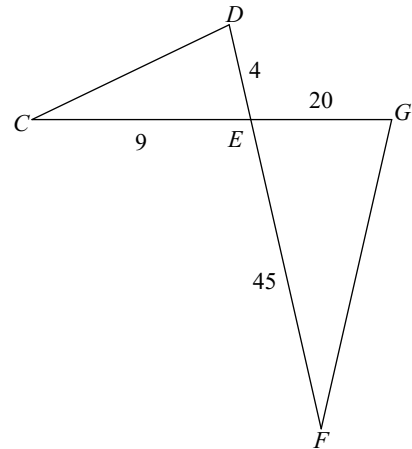
17)



$\triangle RST \sim$  \_\_\_\_\_

similar; SAS similarity;  $\triangle RCD$

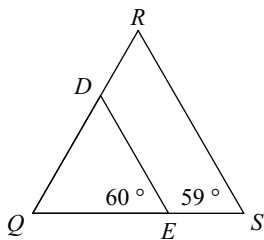
18)



$\triangle EFG \sim$  \_\_\_\_\_

similar; SAS similarity;  $\triangle ECD$

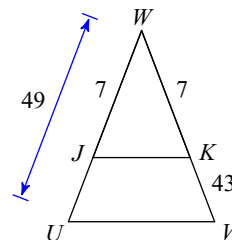
19)



$\triangle QRS \sim$  \_\_\_\_\_

not similar

20)



$\triangle WVU \sim$  \_\_\_\_\_

not similar