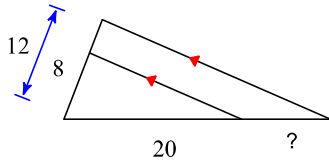


3.2 & 3.3 - Extra Practice

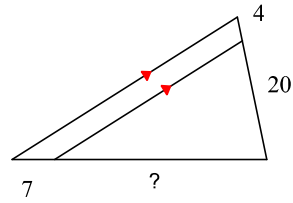
Find the missing length indicated.

1)



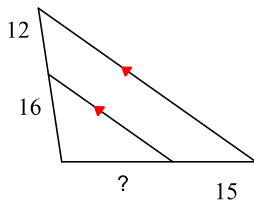
10

2)



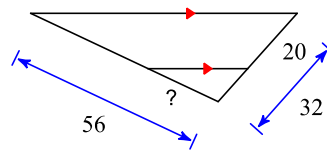
35

3)



20

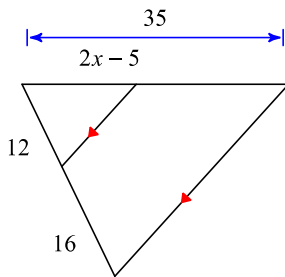
4)



21

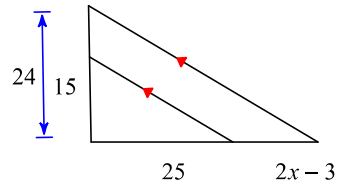
Solve for  $x$ .

5)



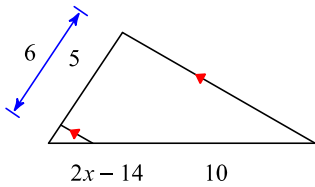
10

6)



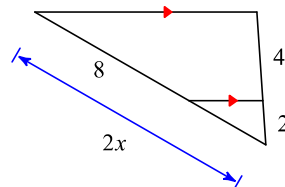
9

7)



8

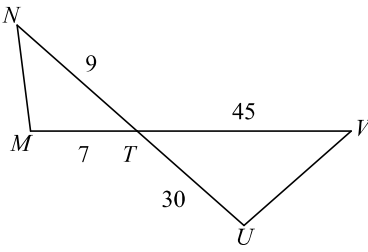
8)



6

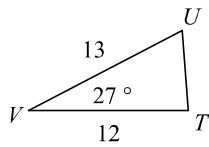
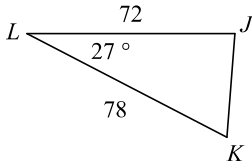
State if the triangles in each pair are similar. If so, state how you know they are similar and complete the similarity statement.

9) not similar



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

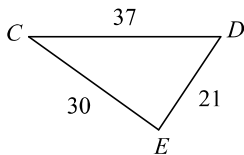
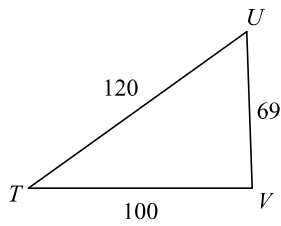
11)



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

similar; SAS similarity;  $\triangle VUT$

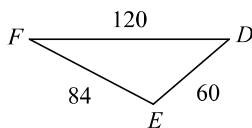
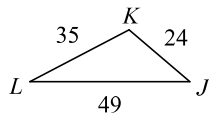
13)



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

not similar

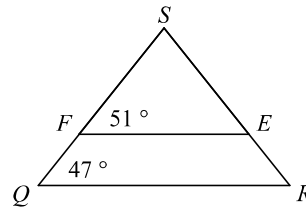
15)



$\triangle FED \sim$  \_\_\_\_\_

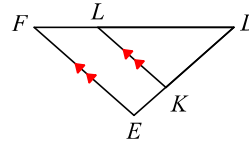
not similar

10) not similar



$\triangle SRQ \sim$  \_\_\_\_\_

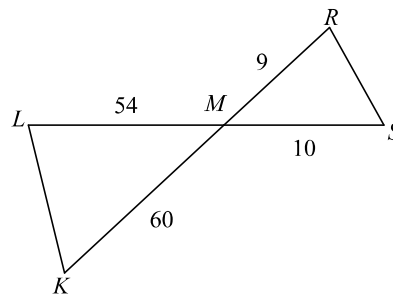
12)



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

similar; AA similarity;  $\triangle DKL$

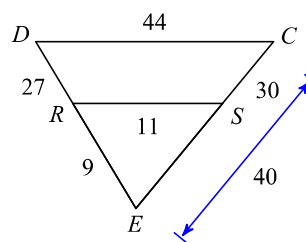
14)



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

similar; SAS similarity;  $\triangle MRS$

16)



$\triangle EDC \sim$  \_\_\_\_\_

similar; SSS similarity;  $\triangle ERS$