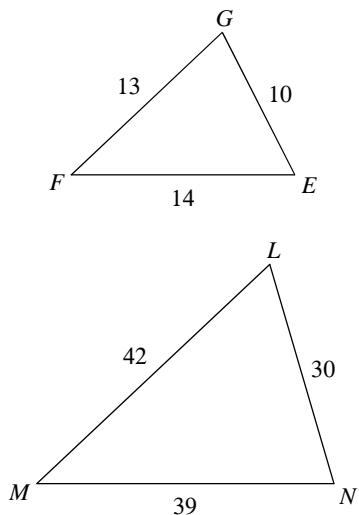


### Practice on Similar Triangles

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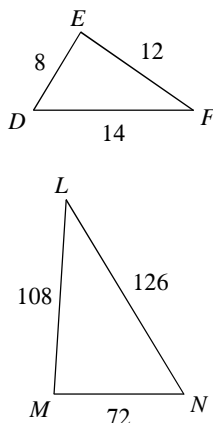
State if the triangles in each pair are similar. If so, complete the similarity statement.

1)



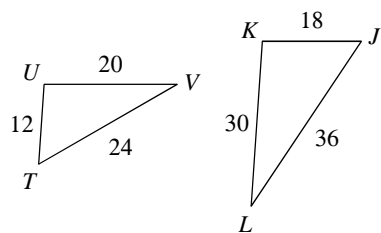
$\triangle LMN \sim$  \_\_\_\_\_

2)



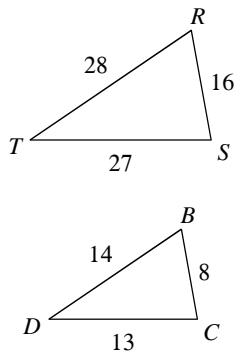
$\triangle NML \sim$  \_\_\_\_\_

3)



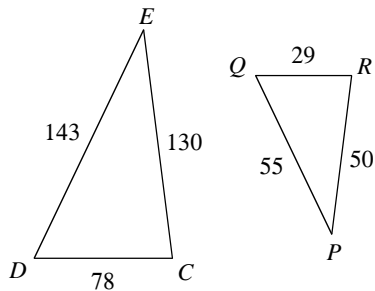
$\triangle JKL \sim$  \_\_\_\_\_

4)



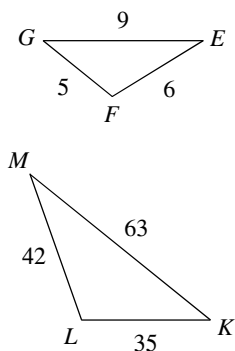
$\triangle RST \sim$  \_\_\_\_\_

5)



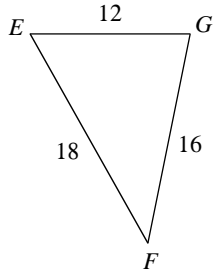
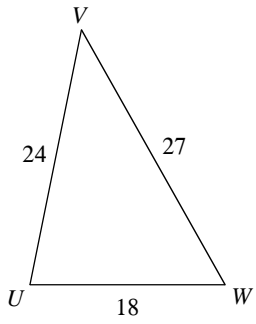
$\triangle EDC \sim$  \_\_\_\_\_

6)



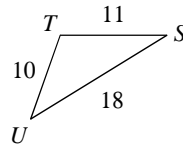
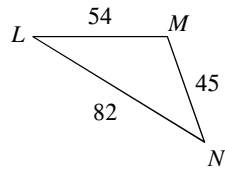
$\triangle MLK \sim$  \_\_\_\_\_

7)



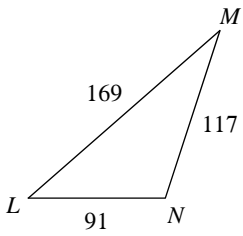
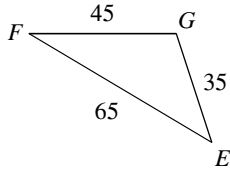
$\Delta UVW \sim$  \_\_\_\_\_

8)



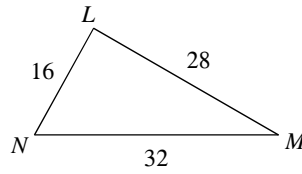
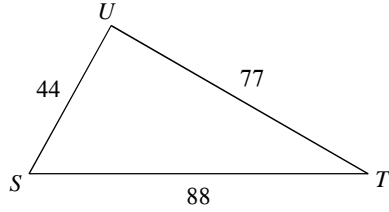
$\Delta NML \sim$  \_\_\_\_\_

9)



$\Delta LMN \sim$  \_\_\_\_\_

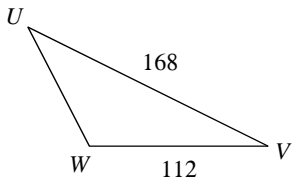
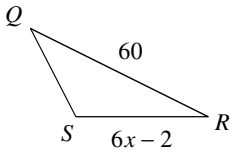
10)



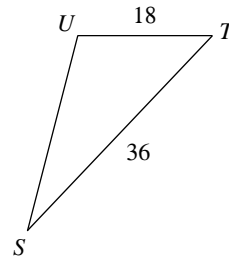
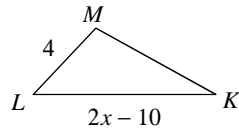
$\Delta UTS \sim$  \_\_\_\_\_

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

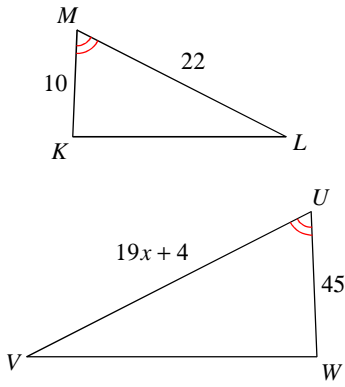
11)



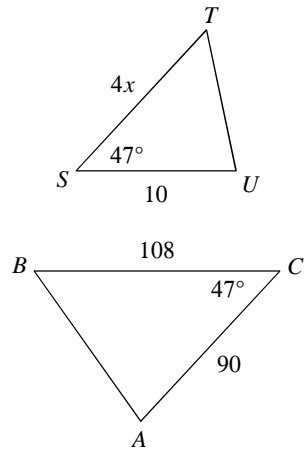
12)



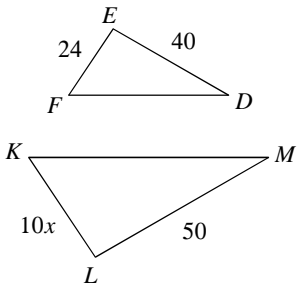
13)



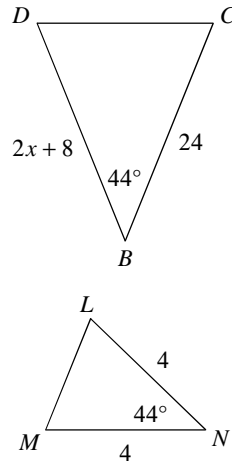
14)



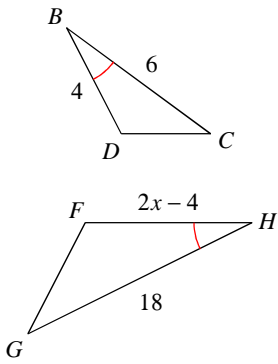
15)



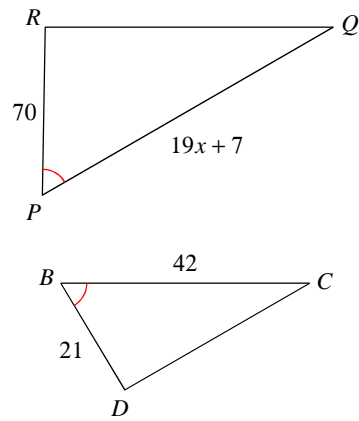
16)



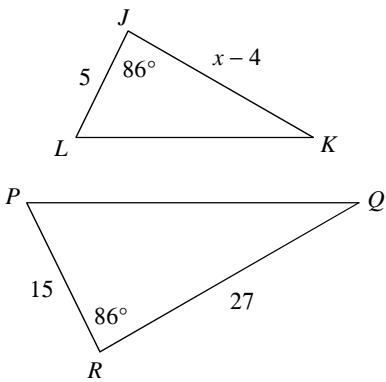
17)



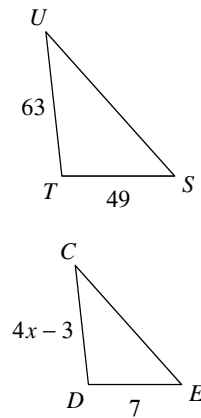
18)



19)



20)



## Answers to Practice on Similar Triangles (ID: 1)

1) similar;  $\triangle EFG$

5) not similar

9) similar;  $\triangle EFG$

13) 5

17) 8

2) similar;  $\triangle DEF$

6) similar;  $\triangle EFG$

10) similar;  $\triangle LMN$

14) 3

18) 7

3) similar;  $\triangle TUV$

7) similar;  $\triangle GFE$

11) 7

15) 3

19) 13

4) not similar

8) not similar

12) 9

16) 8

20) 3