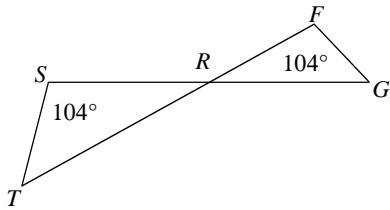


### Practice on Similar Triangles #2

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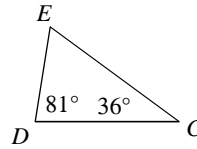
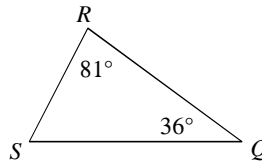
**State if the triangles in each pair are similar. If so, state how you know they are similar and complete the similarity statement.**

1)



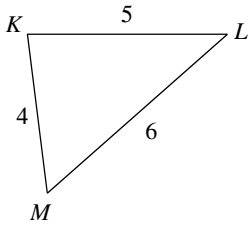
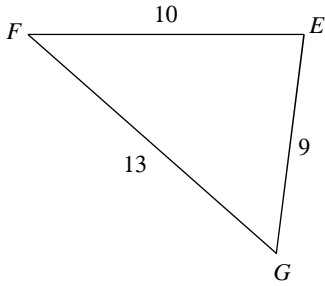
$\Delta RST \sim$  \_\_\_\_\_

2)



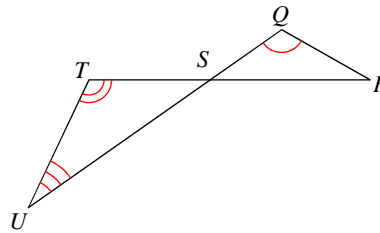
$\Delta QRS \sim$  \_\_\_\_\_

3)



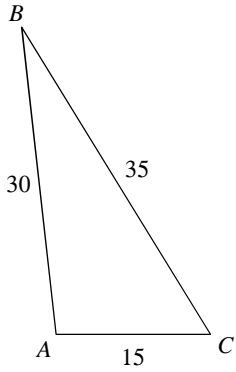
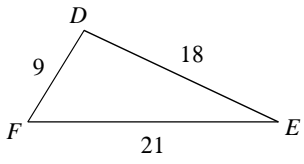
$\Delta EFG \sim$  \_\_\_\_\_

4)



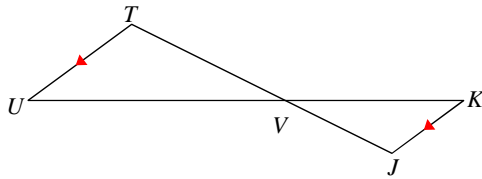
$\Delta STU \sim$  \_\_\_\_\_

5)



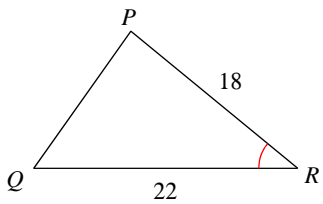
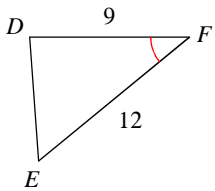
$\triangle ABC \sim$  \_\_\_\_\_

7)



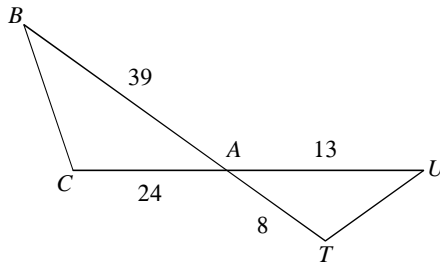
$\triangle VUT \sim$  \_\_\_\_\_

9)



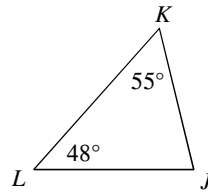
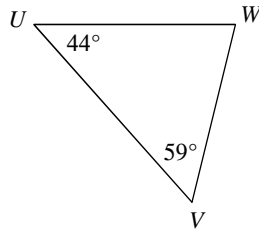
$\triangle RQP \sim$  \_\_\_\_\_

6)



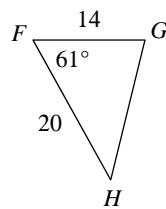
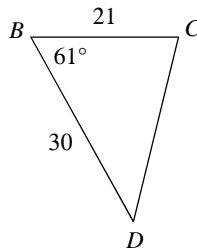
$\triangle ABC \sim$  \_\_\_\_\_

8)



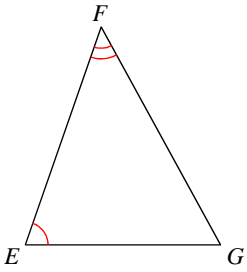
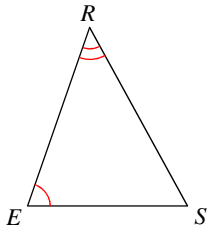
$\triangle UVW \sim$  \_\_\_\_\_

10)



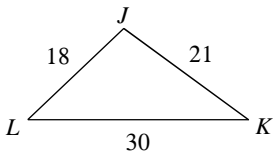
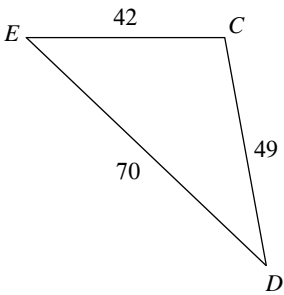
$\triangle BCD \sim$  \_\_\_\_\_

11)



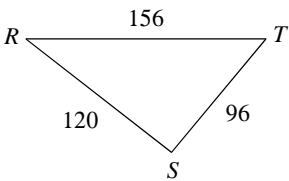
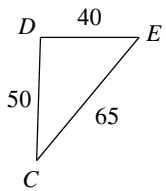
$\triangle EFG \sim$  \_\_\_\_\_

13)



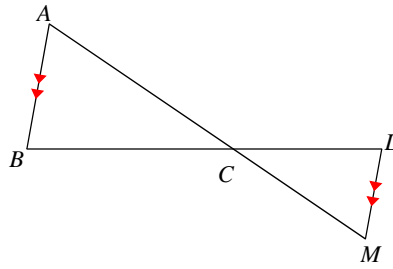
$\triangle CDE \sim$  \_\_\_\_\_

15)



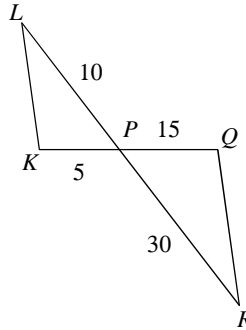
$\triangle RST \sim$  \_\_\_\_\_

12)



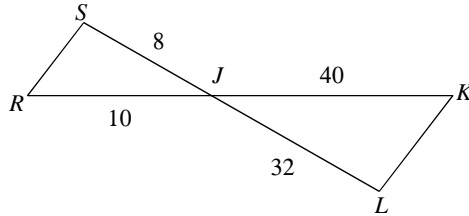
$\triangle CBA \sim$  \_\_\_\_\_

14)



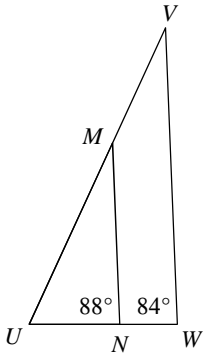
$\triangle PQR \sim$  \_\_\_\_\_

16)



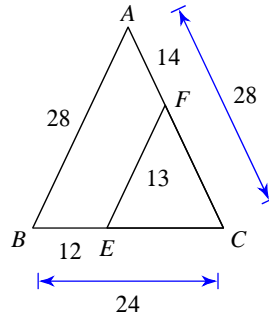
$\triangle JKL \sim$  \_\_\_\_\_

17)



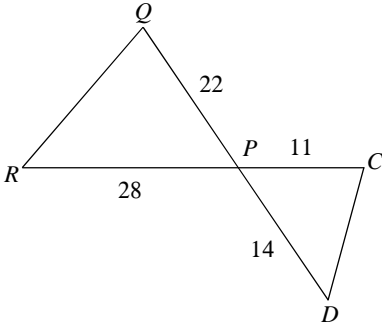
$\triangle UVW \sim$  \_\_\_\_\_

18)



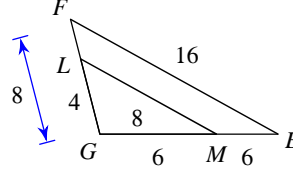
$\triangle CBA \sim$  \_\_\_\_\_

19)



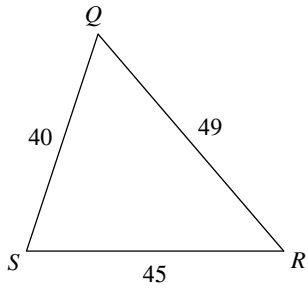
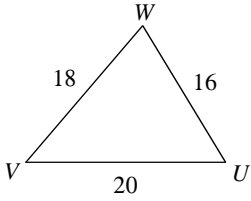
$\triangle PQR \sim$  \_\_\_\_\_

20)



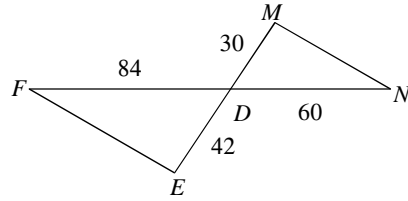
$\triangle GFE \sim$  \_\_\_\_\_

21)



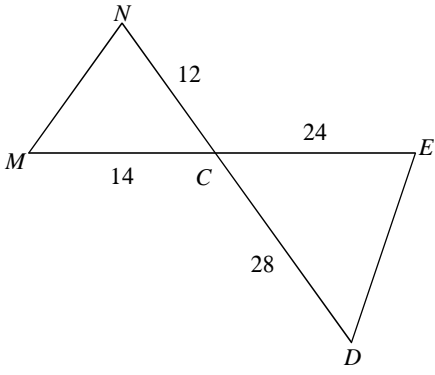
$\triangle QRS \sim$  \_\_\_\_\_

22)



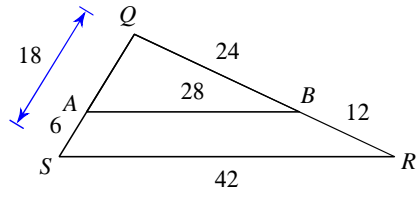
$\triangle DEF \sim$  \_\_\_\_\_

23)



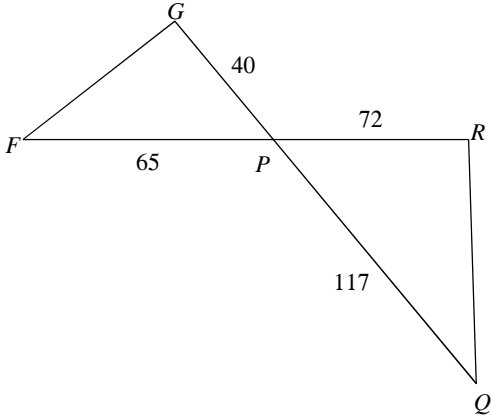
$\triangle CDE \sim$  \_\_\_\_\_

24)



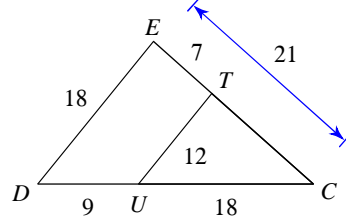
$\triangle QRS \sim$  \_\_\_\_\_

25)



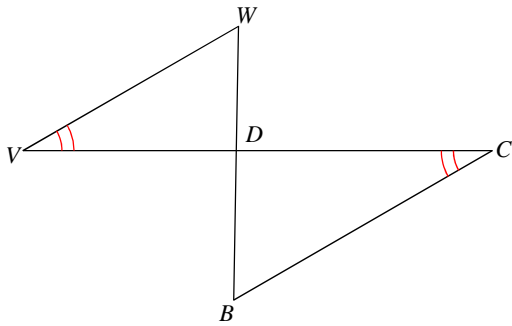
$\triangle PQR \sim$  \_\_\_\_\_

26)



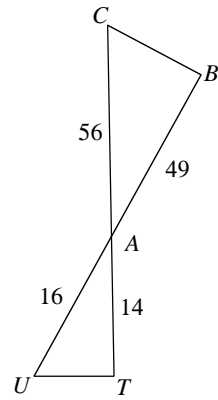
$\triangle CDE \sim$  \_\_\_\_\_

27)



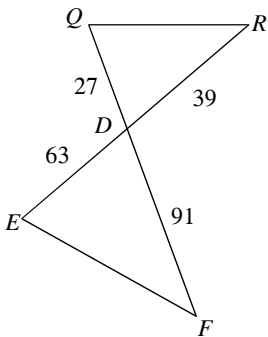
$\triangle DCB \sim$  \_\_\_\_\_

28)



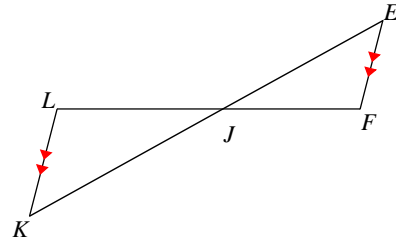
$\triangle ABC \sim$  \_\_\_\_\_

29)



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

30)



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

## Answers to Practice on Similar Triangles #2 (ID: 1)

- 1) similar; AA similarity;  $\triangle RFG$     2) similar; AA similarity;  $\triangle CDE$     3) not similar  
4) not similar    5) similar; SSS similarity;  $\triangle DEF$     6) similar; SAS similarity;  $\triangle AUT$   
7) similar; AA similarity;  $\triangle VKJ$     8) not similar    9) not similar  
10) similar; SAS similarity;  $\triangle FGH$     11) similar; AA similarity;  $\triangle ERS$     12) similar; AA similarity;  $\triangle CLM$   
13) similar; SSS similarity;  $\triangle JKL$     14) similar; SAS similarity;  $\triangle PKL$     15) similar; SSS similarity;  $\triangle CDE$   
16) similar; SAS similarity;  $\triangle JRS$     17) not similar    18) not similar  
19) similar; SAS similarity;  $\triangle PCD$     20) similar; SSS similarity;  $\triangle GLM$     21) not similar  
22) similar; SAS similarity;  $\triangle DMN$     23) similar; SAS similarity;  $\triangle CMN$     24) similar; SSS similarity;  $\triangle QBA$   
25) similar; SAS similarity;  $\triangle PFG$     26) similar; SSS similarity;  $\triangle CUT$     27) similar; AA similarity;  $\triangle DVW$   
28) similar; SAS similarity;  $\triangle ATU$     29) similar; SAS similarity;  $\triangle DQR$     30) similar; AA similarity;  $\triangle JEF$