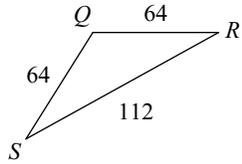
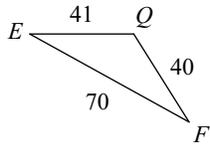


### Practice on Similar Triangles #1

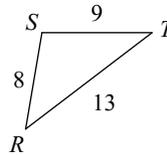
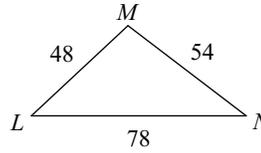
State if the triangles in each pair are similar. If so, complete the similarity statement.

1)



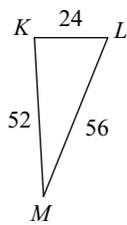
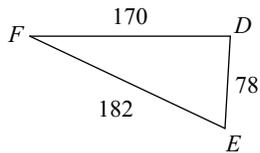
$\triangle QRS \sim$  \_\_\_\_\_

2)



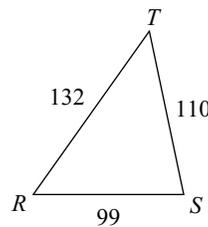
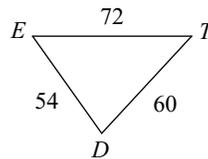
$\triangle LMN \sim$  \_\_\_\_\_

3)



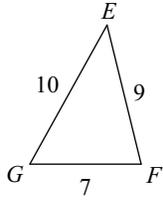
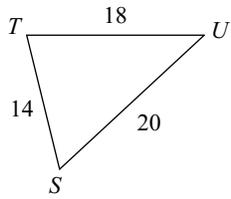
$\triangle DEF \sim$  \_\_\_\_\_

4)



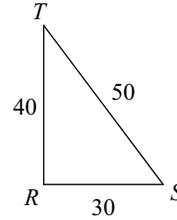
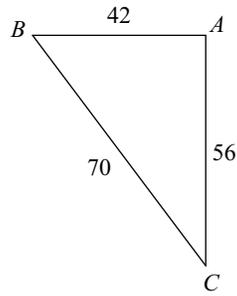
$\triangle TSR \sim$  \_\_\_\_\_

5)



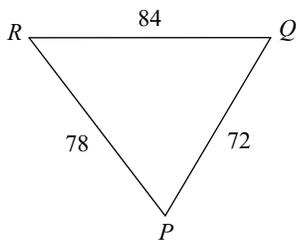
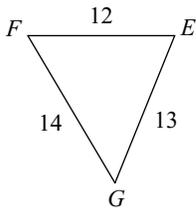
$\triangle UTS \sim$  \_\_\_\_\_

6)



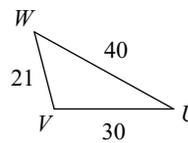
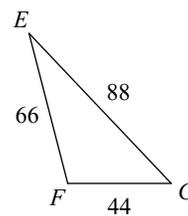
$\triangle CBA \sim$  \_\_\_\_\_

7)



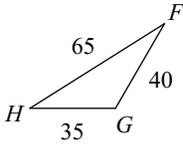
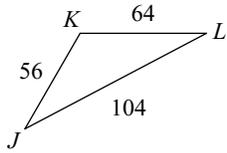
$\triangle RQP \sim$  \_\_\_\_\_

8)



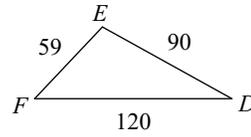
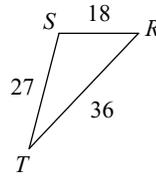
$\triangle EFG \sim$  \_\_\_\_\_

9)



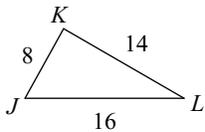
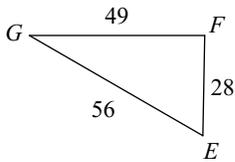
$\triangle LKJ \sim$  \_\_\_\_\_

10)



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

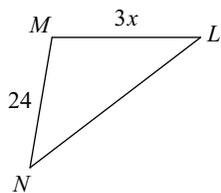
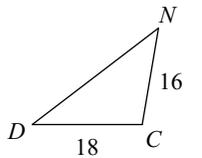
11)



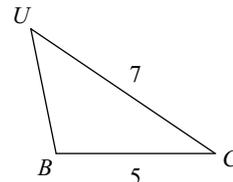
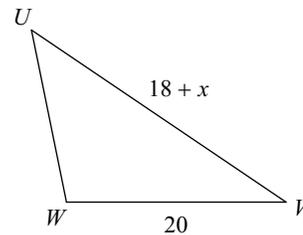
$\triangle EFG \sim$  \_\_\_\_\_

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

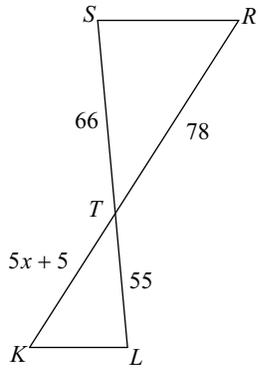
12)  $\triangle NML \sim \triangle NCD$



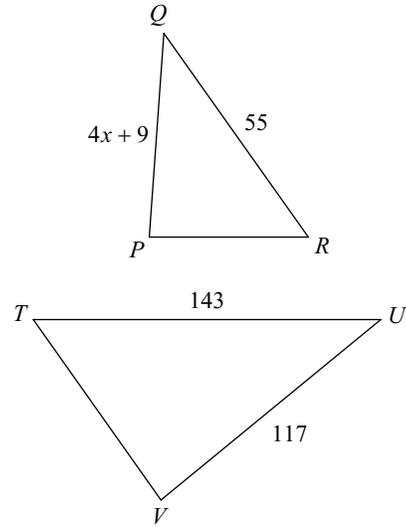
13)  $\triangle UVW \sim \triangle UCB$



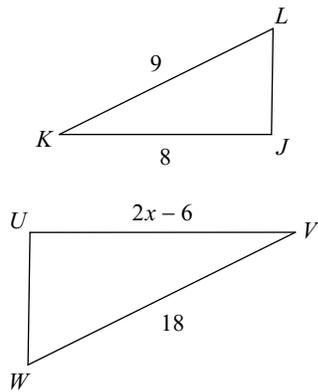
14)  $\triangle TSR \sim \triangle TLK$



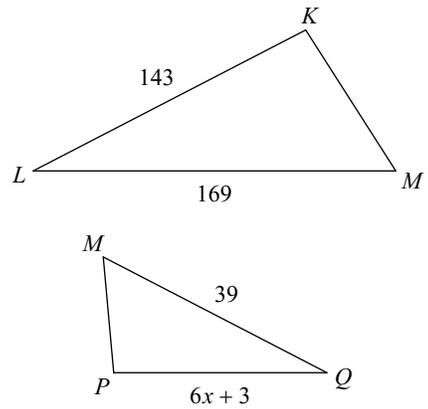
15)  $\triangle VUT \sim \triangle PQR$



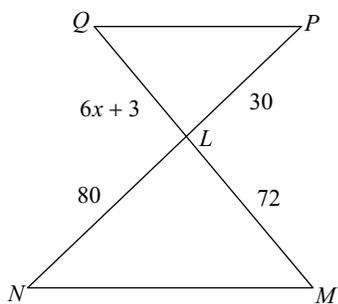
16)  $\triangle UVW \sim \triangle JKL$



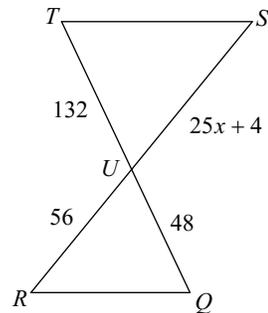
17)  $\triangle MLK \sim \triangle MQP$



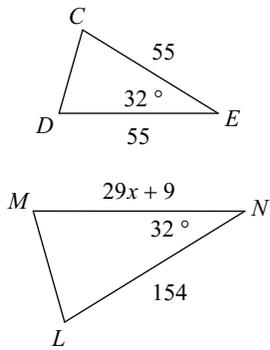
18)  $\triangle LMN \sim \triangle LQP$



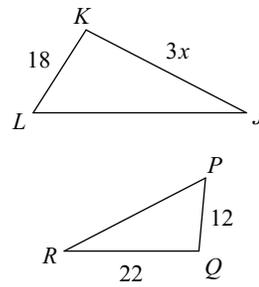
19)  $\triangle UTS \sim \triangle UQR$



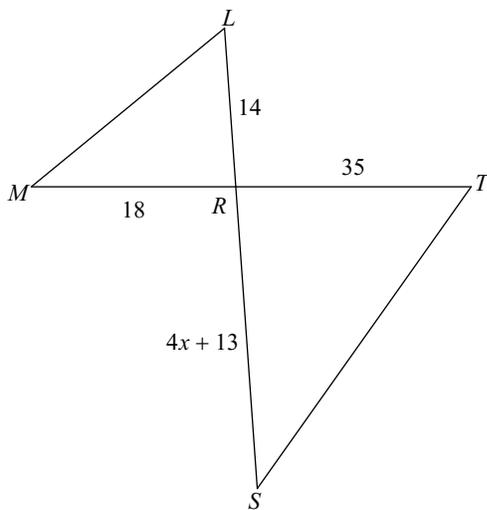
20)  $\triangle NML \sim \triangle EDC$



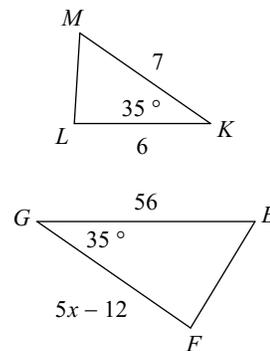
21)  $\triangle LKJ \sim \triangle PQR$



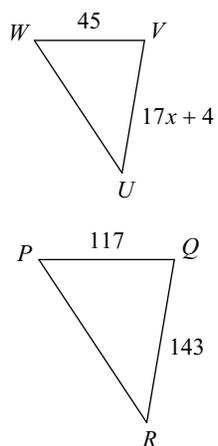
22)  $\triangle RST \sim \triangle RML$



23)  $\triangle GFE \sim \triangle KLM$



24)  $\triangle PQR \sim \triangle WVU$



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

- |                             |                             |                              |                             |
|-----------------------------|-----------------------------|------------------------------|-----------------------------|
| 1) not similar              | 2) similar; $\triangle RST$ | 3) not similar               | 4) similar; $\triangle TDE$ |
| 5) similar; $\triangle EFG$ | 6) similar; $\triangle TSR$ | 7) similar; $\triangle GFE$  | 8) not similar              |
| 9) similar; $\triangle FGH$ | 10) not similar             | 11) similar; $\triangle JKL$ | 12) 9                       |
| 13) 10                      | 14) 12                      | 15) 9                        | 16) 11                      |
| 17) 5                       | 18) 4                       | 19) 6                        | 20) 5                       |
| 21) 11                      | 22) 8                       | 23) 12                       | 24) 3                       |