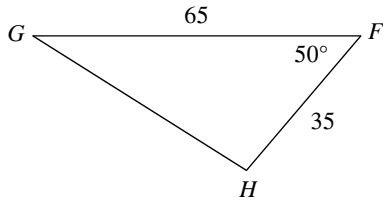
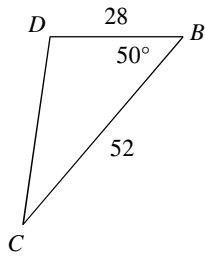


### Practice on Similar Triangles

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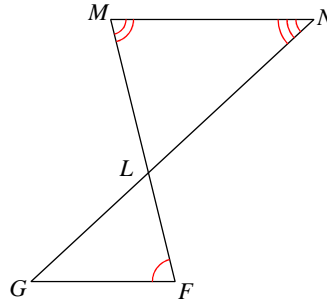
**State if the triangles in each pair are similar. If so, state how you know they are similar and complete the similarity statement.**

1)



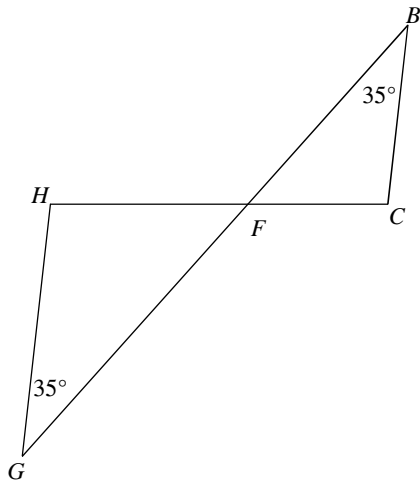
$\triangle FGH \sim$  \_\_\_\_\_

2)



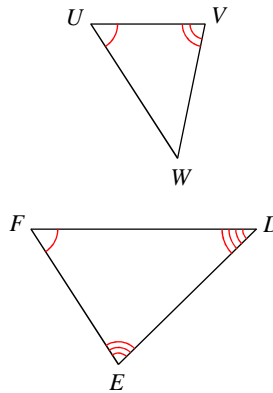
$\triangle LMN \sim$  \_\_\_\_\_

3)



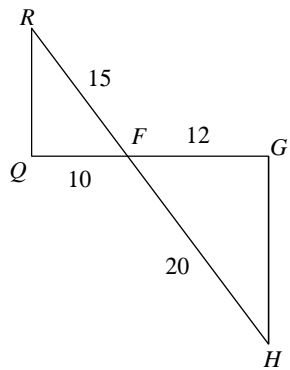
$\triangle FGH \sim$  \_\_\_\_\_

4)



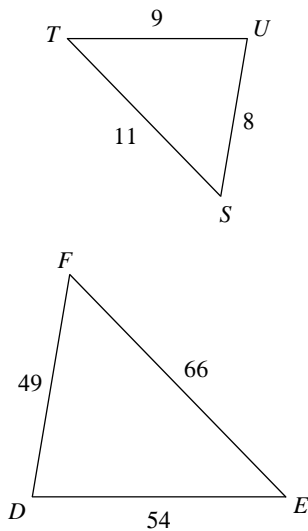
$\triangle FED \sim$  \_\_\_\_\_

5)



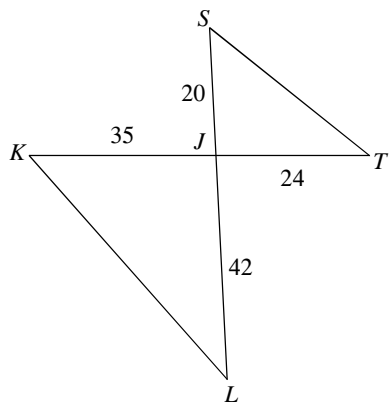
$\triangle FGH \sim$  \_\_\_\_\_

6)



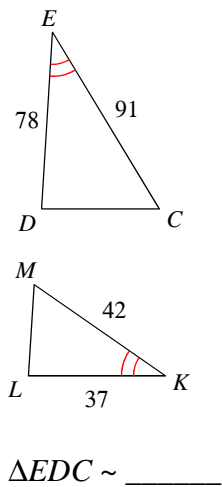
$\triangle FED \sim$  \_\_\_\_\_

7)



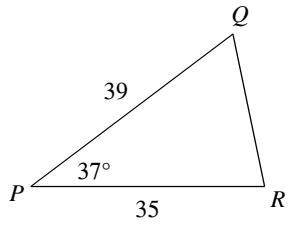
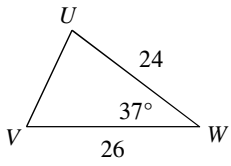
$\triangle JKL \sim$  \_\_\_\_\_

8)



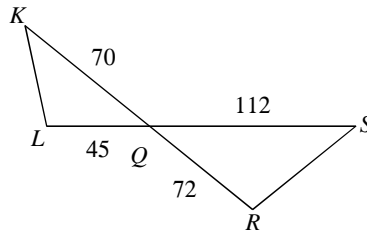
$\triangle EDC \sim$  \_\_\_\_\_

9)



$\Delta PQR \sim$  \_\_\_\_\_

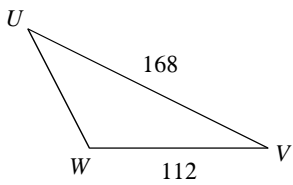
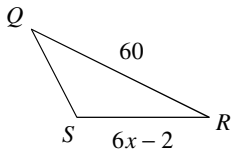
10)



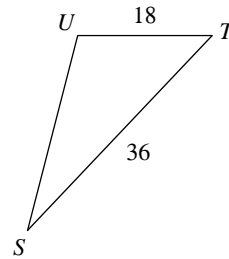
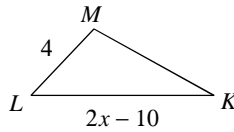
$\Delta QRS \sim$  \_\_\_\_\_

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

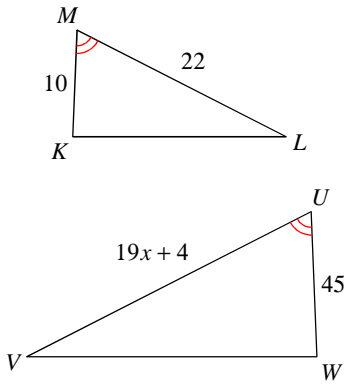
11)



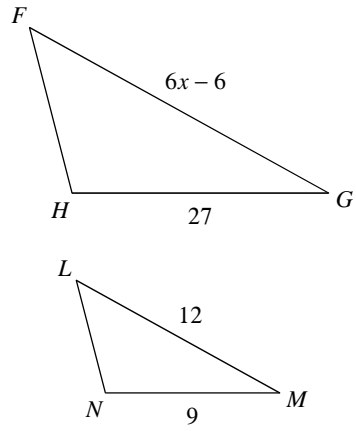
12)



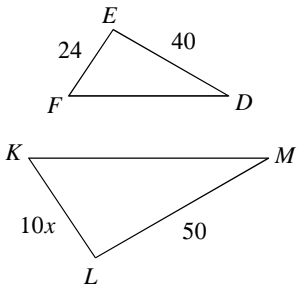
13)



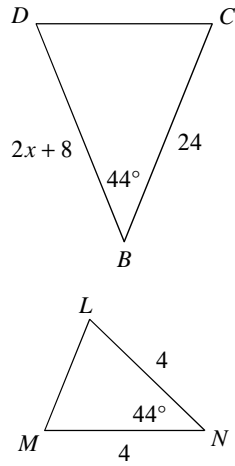
14)



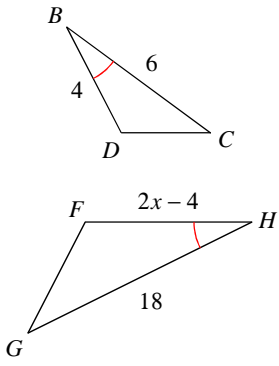
15)



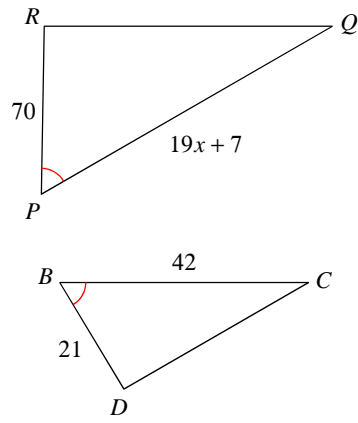
16)



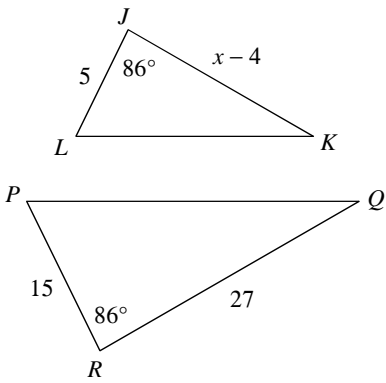
17)



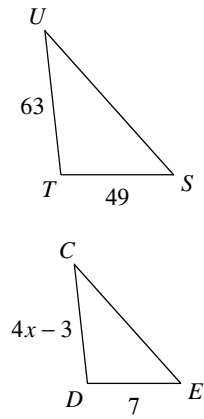
18)



19)



20)



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

- 1) similar; SAS similarity;  $\triangle BCD$     2) not similar    3) similar; AA similarity;  $\triangle FBC$   
4) not similar    5) not similar    6) not similar  
7) similar; SAS similarity;  $\triangle JST$     8) not similar    9) not similar  
10) similar; SAS similarity;  $\triangle QLK$     11) 7    12) 9  
13) 5    14) 7    15) 3    16) 8  
17) 8    18) 7    19) 13    20) 3