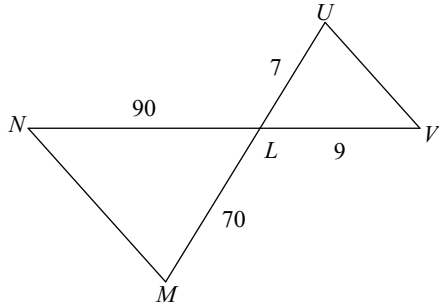


Unit 7.4 Identify Similar Triangles EXAMPLES

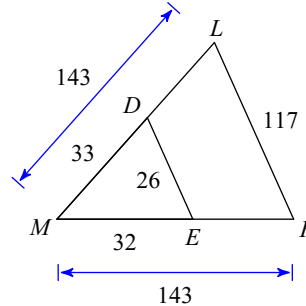
State if the triangles in each pair are similar. If so, state how you know they are similar and complete the similarity statement.

1)



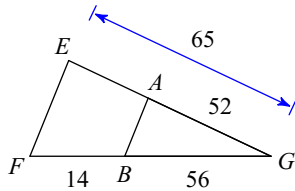
$\triangle LMN \sim$ _____

2)



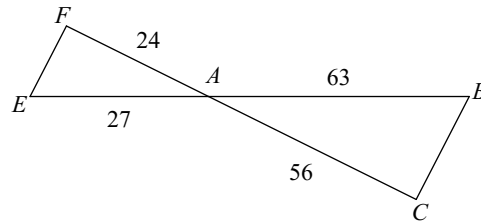
$\triangle MLK \sim$ _____

3)



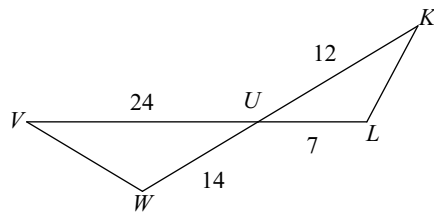
$\triangle GFE \sim$ _____

4)



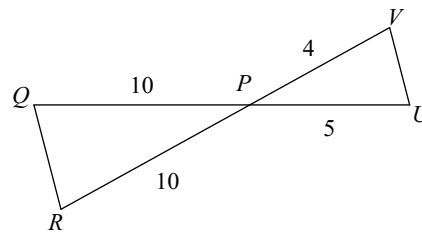
$\triangle ABC \sim$ _____

5)



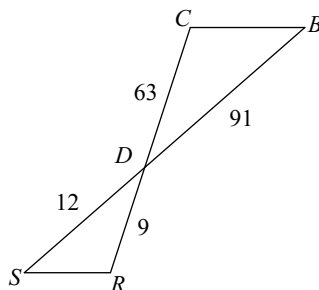
$\triangle UVW \sim$ _____

6)



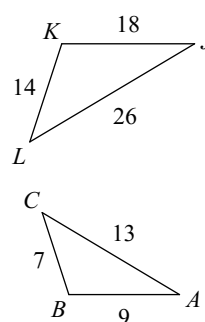
$\triangle PQR \sim$ _____

7)



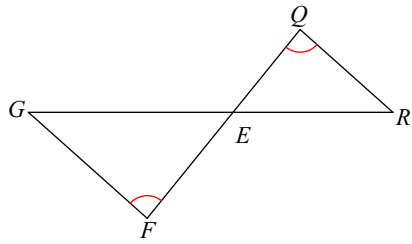
$\triangle DCB \sim$ _____

8)



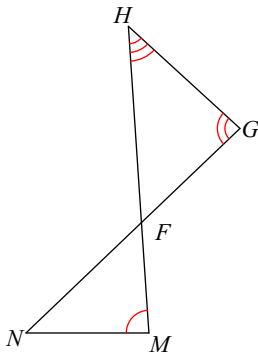
$\triangle JKL \sim$ _____

9)



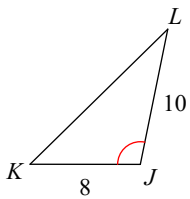
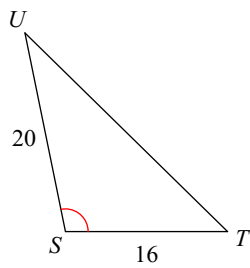
$\triangle EFG \sim$ _____

11)



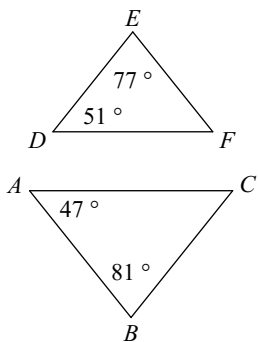
$\triangle FGH \sim$ _____

13)



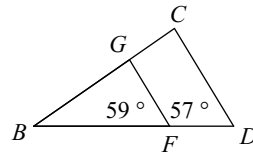
$\triangle STU \sim$ _____

15)



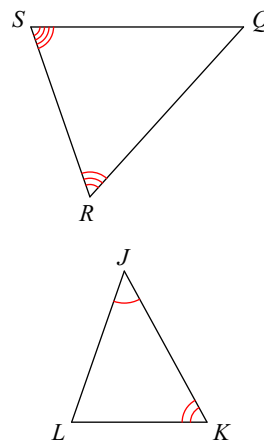
$\triangle ABC \sim$ _____

10)



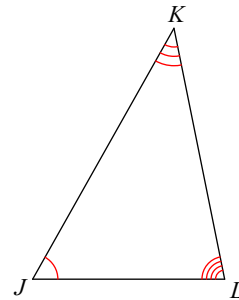
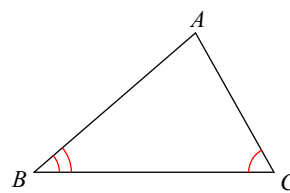
$\triangle BCD \sim$ _____

12)



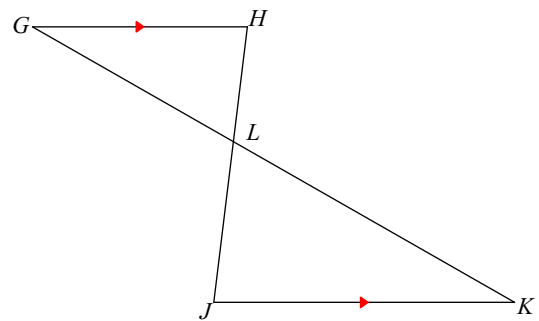
$\triangle QRS \sim$ _____

14)



$\triangle JKL \sim$ _____

16)

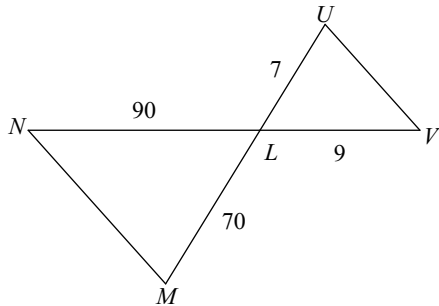


$\triangle LKJ \sim$ _____

Unit 7.4 Identify Similar Triangles EXAMPLES

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

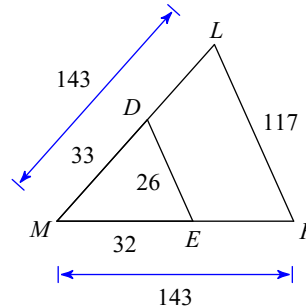
1)



$\triangle LMN \sim$ _____

similar; SAS similarity; $\triangle UVL$

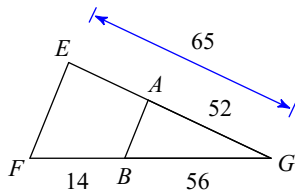
2)



$\triangle MLK \sim$ _____

not similar

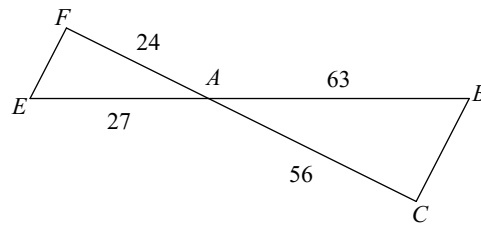
3)



$\triangle GFE \sim$ _____

similar; SAS similarity; $\triangle GBA$

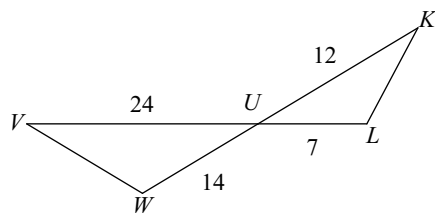
4)



$\triangle ABC \sim$ _____

similar; SAS similarity; $\triangle AEF$

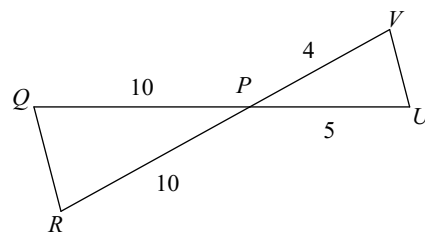
5)



$\triangle UVW \sim$ _____

similar; SAS similarity; $\triangle UKL$

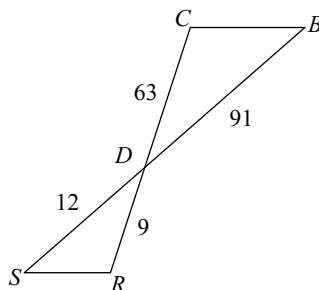
6)



$\triangle PQR \sim$ _____

not similar

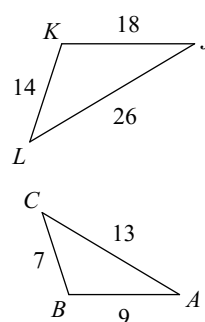
7)



$\triangle DCB \sim$ _____

not similar

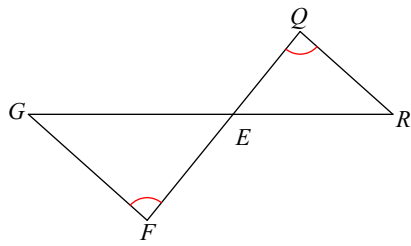
8)



$\triangle JKL \sim$ _____

similar; SSS similarity; $\triangle ABC$

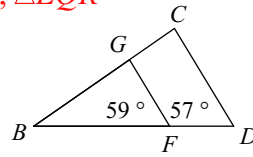
9)



$\triangle EFG \sim$ _____

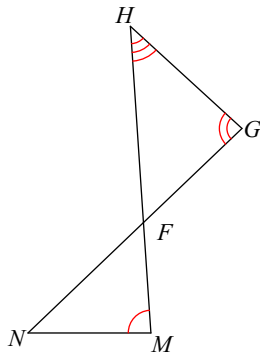
similar; AA similarity; $\triangle EQR$

not similar



$\triangle BCD \sim$ _____

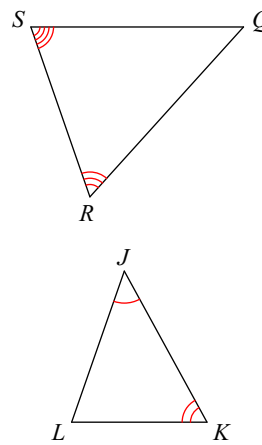
11)



$\triangle FGH \sim$ _____

not similar

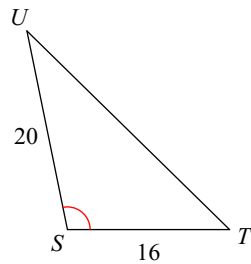
12)



$\triangle QRS \sim$ _____

not similar

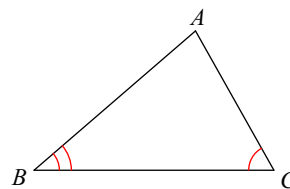
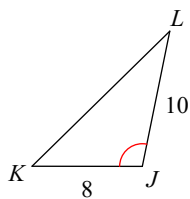
13)



$\triangle STU \sim$ _____

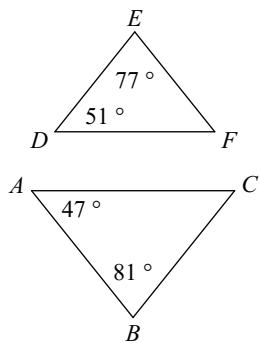
similar; SAS similarity; $\triangle JKL$

not similar



$\triangle JKL \sim$ _____

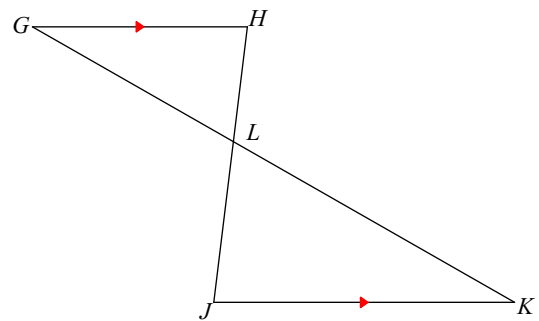
15)



$\triangle ABC \sim$ _____

not similar

16)



$\triangle LKJ \sim$ _____

similar; AA s