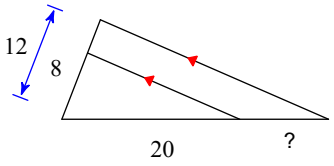
Geometry Name_____

3.2 & 3.3 - Extra Practice

Date_____

Find the missing length indicated.

1)



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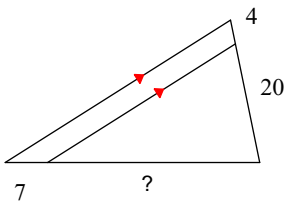
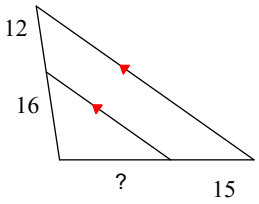
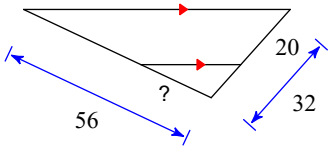


3)

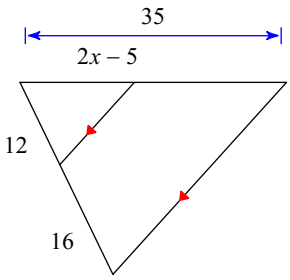


4)



Solve for *x*.

5)



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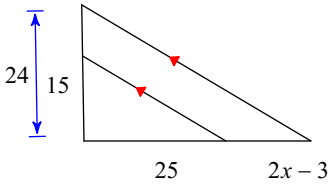
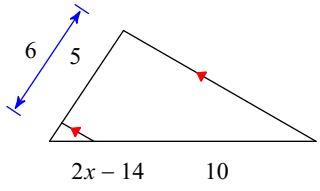
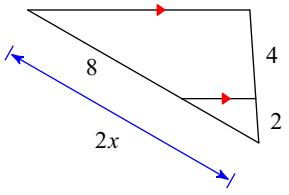


7)

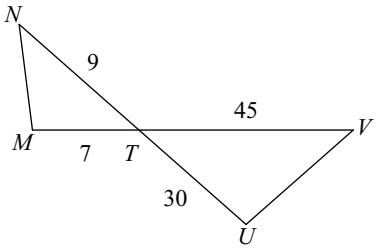


8)



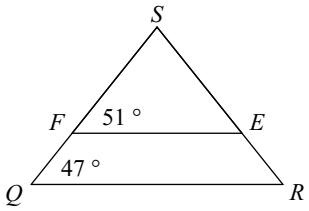
State if the triangles in each pair are similar. If so, state how you know they are similar and complete the similarity statement.

9)



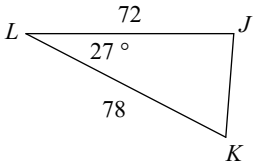
$\triangle TUV \sim$ _____

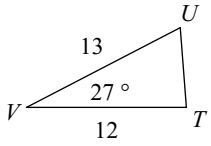
10)



$\triangle SRQ \sim$ _____

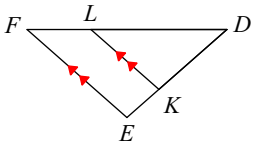
11)





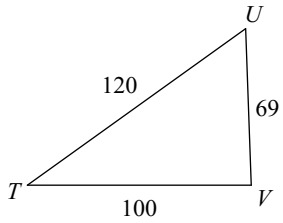
$\triangle LKJ \sim$ _____

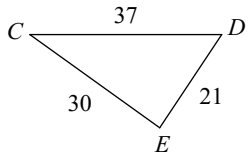
12)



$\triangle DEF \sim$ _____

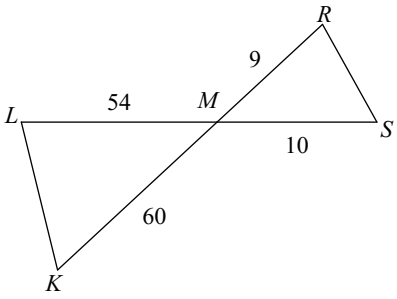
13)





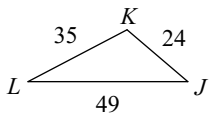
$\triangle TUV \sim$ _____

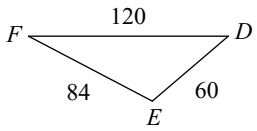
14)



$\triangle MLK \sim$ _____

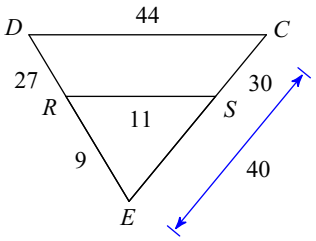
15)





$\triangle FED \sim$ _____

16)



$\triangle EDC \sim$ _____

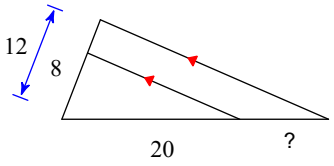
Geometry Name_____

3.2 & 3.3 - Extra Practice

Date_____

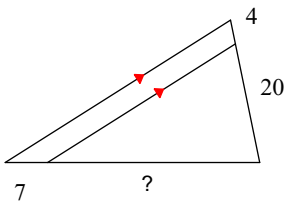
Find the missing length indicated.

1)



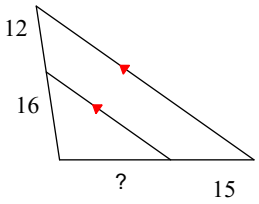
10

2)



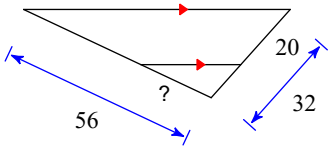
35

3)



20

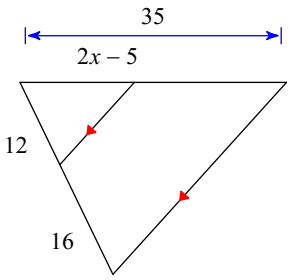
4)



21

Solve for *x*.

5)



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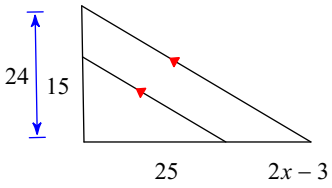
6)



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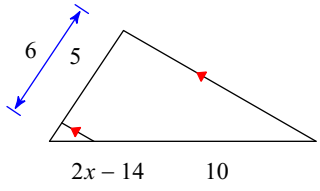
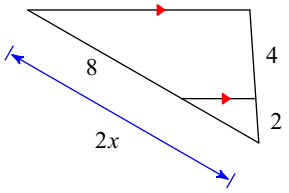
7)



8

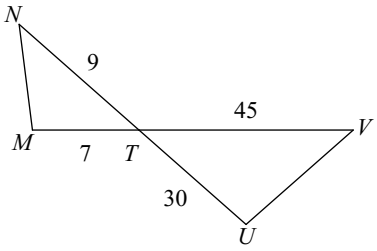
8)



6

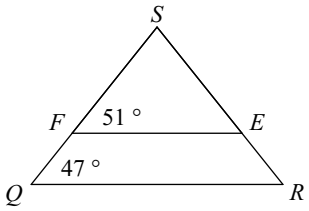
State if the triangles in each pair are similar. If so, state how you know they are similar and complete the similarity statement.

9) not similar



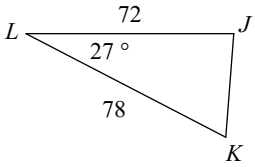
$\triangle TUV \sim$ _____

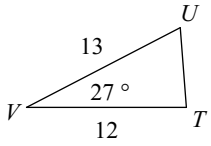
10) not similar



$\triangle SRQ \sim$ _____

11)

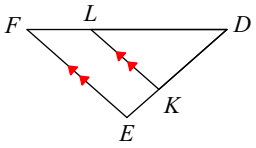




$\triangle LKJ \sim$ _____

similar; SAS similarity; $\triangle VUT$

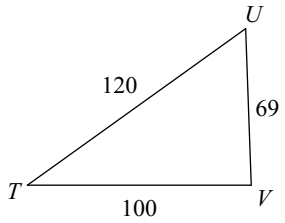
12)

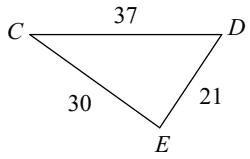


$\triangle DEF \sim$ _____

similar; AA similarity; $\triangle DKL$

13)

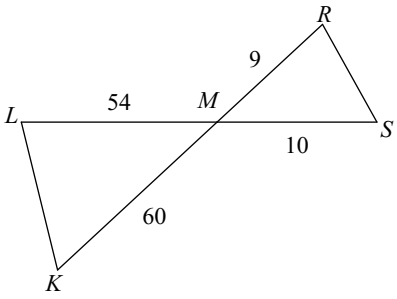




$\triangle TUV \sim$ _____

not similar

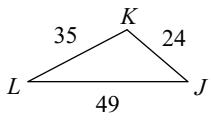
14)

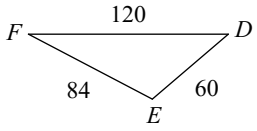


$\triangle MLK \sim$ _____

similar; SAS similarity; $\triangle MRS$

15)

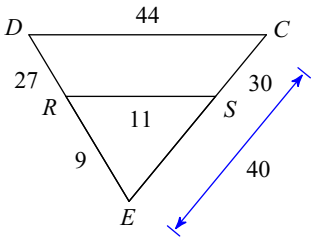




$\triangle FED \sim$ _____

not similar

16)



$\triangle EDC \sim$ _____

similar; SSS similarity; $\triangle ERS$