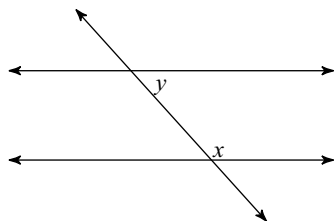


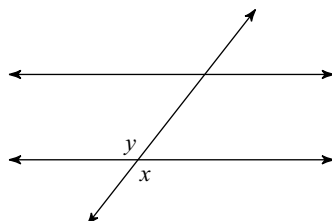
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Identify each pair of angles as corresponding, alternate interior, alternate exterior, same-side interior, vertical, or adjacent.

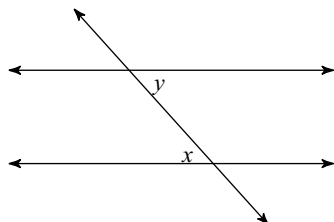
1)



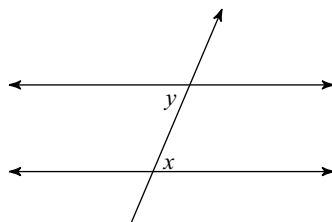
2)



3)

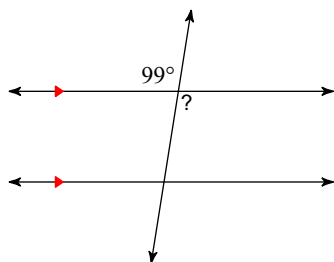


4)

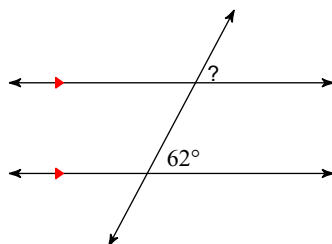


Find the measure of each angle indicated.

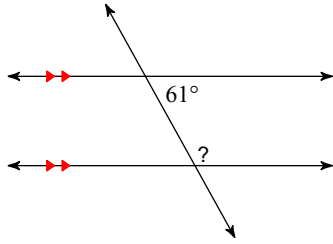
5)



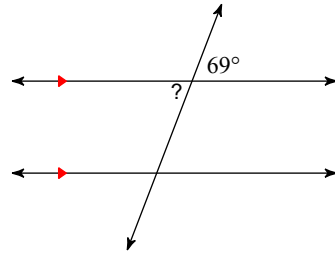
6)



7)

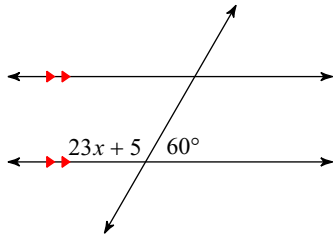


8)

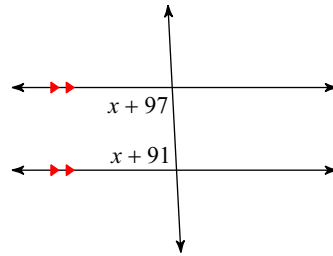


Solve for x .

9)

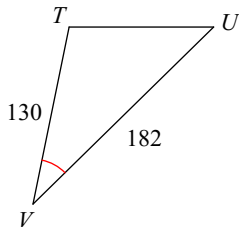
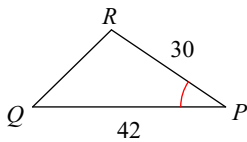


10)



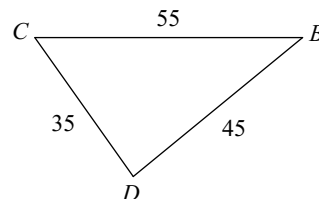
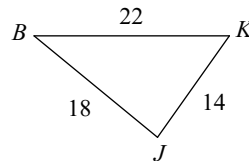
State if the triangles in each pair are similar. If so, state how you know they are similar and complete the similarity statement.

11)



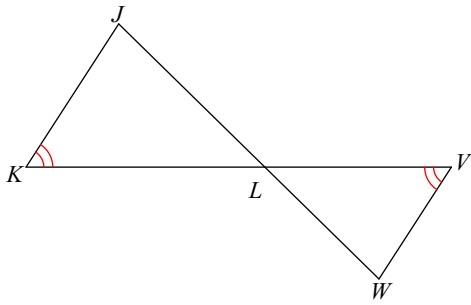
$\triangle VUT \sim$ _____

12)



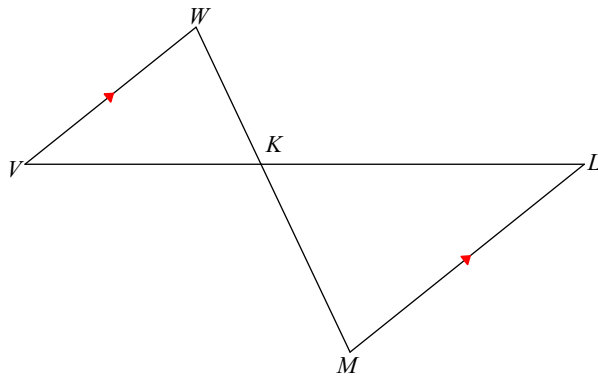
$\triangle BCD \sim$ _____

13)



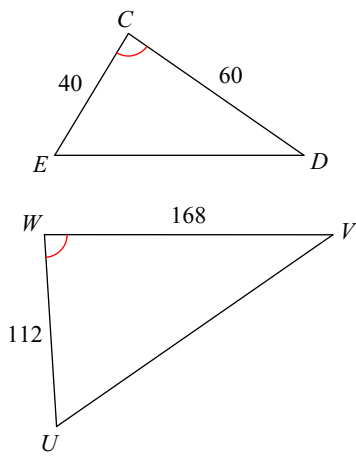
$\triangle LKJ \sim$ _____

14)



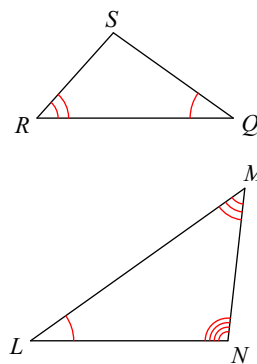
$\triangle KLM \sim$ _____

15)



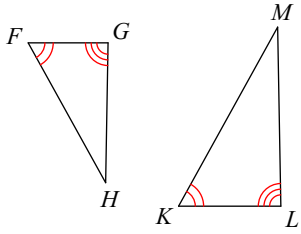
$\triangle WVU \sim$ _____

16)



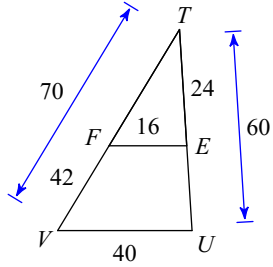
$\triangle LMN \sim$ _____

17)



$\triangle KLM \sim$ _____

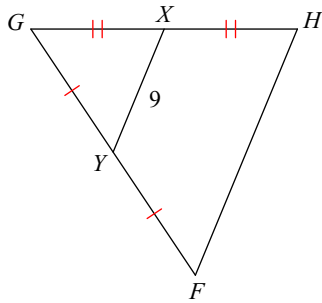
18)



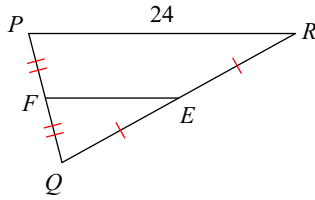
$\triangle TUV \sim$ _____

Find the missing length indicated.

19) Find FH

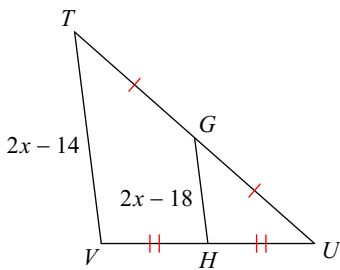


20) Find EF

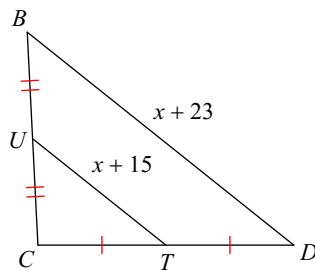


Solve for x .

21)



22)



Answers to Unit 2 Final Review Fall 2019 (ID: 1)

- | | | | |
|--|---|--|-----------------------|
| 1) same-side interior | 2) vertical | 3) alternate interior | 4) alternate interior |
| 5) 99° | 6) 62° | 7) 119° | 8) 69° |
| 9) 5 | 10) -4 | 11) similar; SAS similarity; $\triangle PQR$ | |
| 12) similar; SSS similarity; $\triangle BKJ$ | | 13) similar; AA similarity; $\triangle LVW$ | |
| 14) similar; AA similarity; $\triangle KVV$ | | 15) similar; SAS similarity; $\triangle CDE$ | |
| 16) not similar | 17) similar; AA similarity; $\triangle FGH$ | | |
| 18) similar; SSS and SAS similarity; $\triangle TEF$ | | 19) 18 | 20) 12 |
| 21) 11 | 22) -7 | | |