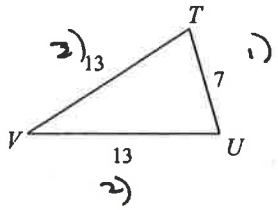
Geometry Name Solutions

Inequalities in one triangle

Date _____ Period ____

Order the angles in each triangle from smallest to largest. Pay close attention to the order stipulated!

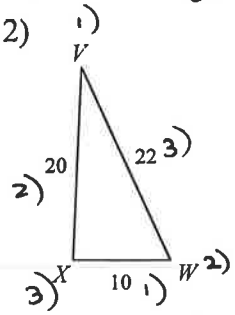
1)



∠V, ∠T & ∠U

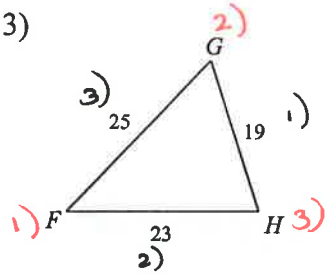
I say & b/c they're the same!

2)



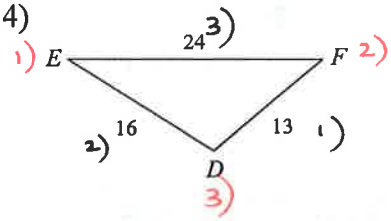
∠V, ∠W, ∠X

3)



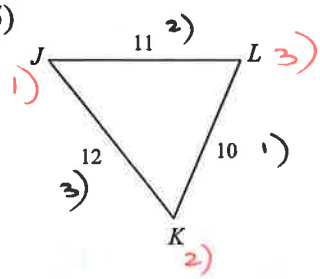
∠F, ∠G, ∠H

4)



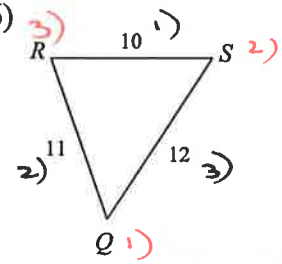
∠E, ∠F, ∠D

5)



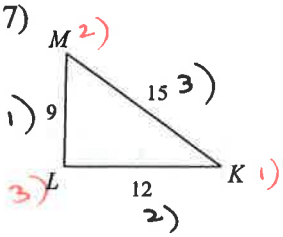
∠J, ∠K, ∠L

6)



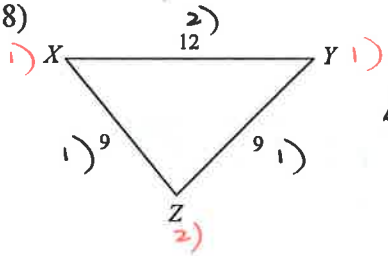
∠Q, ∠S, ∠R

7)



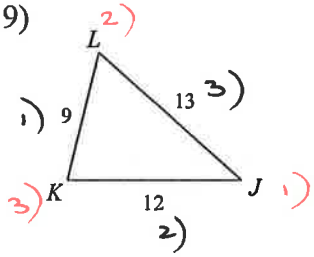
∠K, ∠M, ∠L

8)



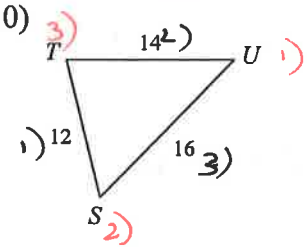
∠X & ∠Y, ∠Z

9)



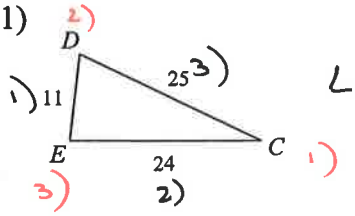
∠J, ∠L, ∠K

10)



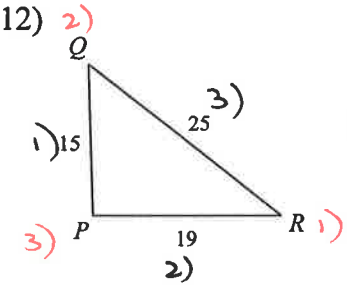
∠U, ∠S, ∠T

11)



∠C, ∠D, ∠E

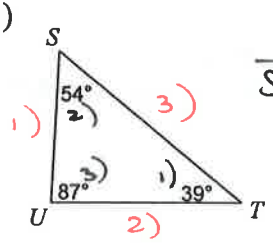
12)



∠R, ∠Q, ∠P

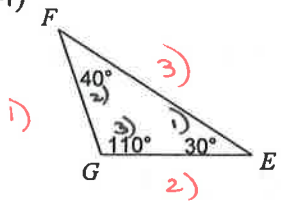
Order the sides of each triangle from shortest to longest.

13)



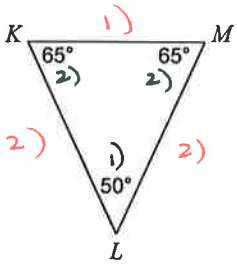
$\overline{SU}, \overline{UT}, \overline{ST}$

14)



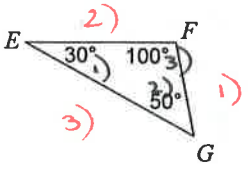
$\overline{FG}, \overline{GE}, \overline{EF}$

15)



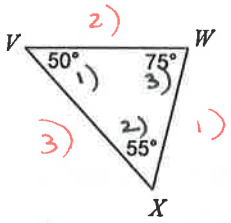
$\overline{KM}, \overline{KL}$ & $\overline{ML}$ & hc are the same

16)



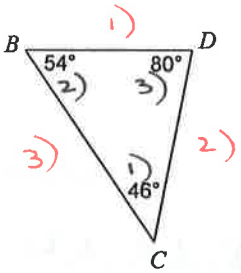
$\overline{GF}, \overline{FE}, \overline{EG}$

17)



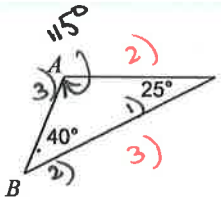
$\overline{WX}, \overline{WV}, \overline{VX}$

18)



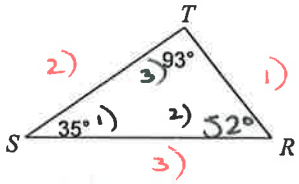
$\overline{BD}, \overline{DC}, \overline{CB}$

19)



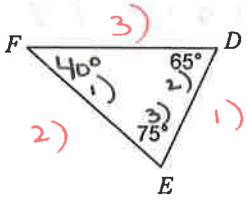
$\overline{AB}, \overline{AC}, \overline{BC}$

20)



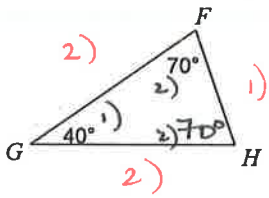
$\overline{RT}, \overline{TS}, \overline{SR}$

21)



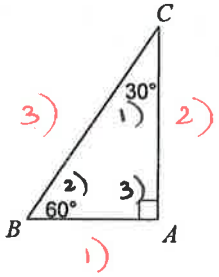
$\overline{DE}, \overline{EF}, \overline{FD}$

22)



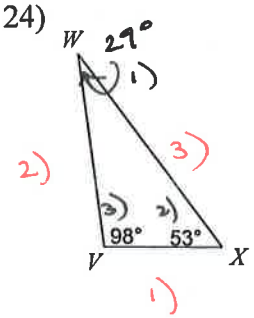
$\overline{FH}, \overline{FG}$ & $\overline{HG}$

23)



$\overline{BA}, \overline{AC}, \overline{CB}$

24)



$\overline{XV}, \overline{VW}, \overline{WX}$