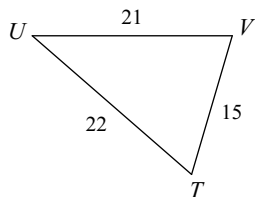


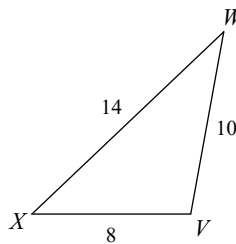
Triangles: Exterior Angle, Relations, Inequality

Order the sides and angles in each triangle from smallest to largest.

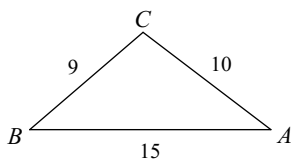
1)



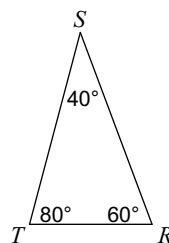
2)



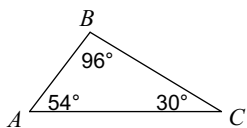
3)



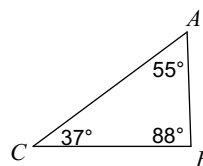
4)



5)

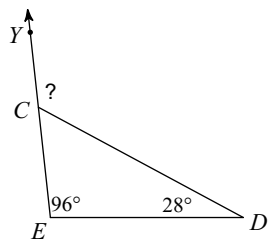


6)

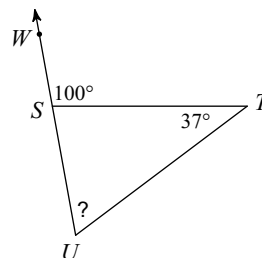


Find the measure of each angle indicated.

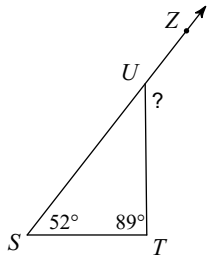
7)



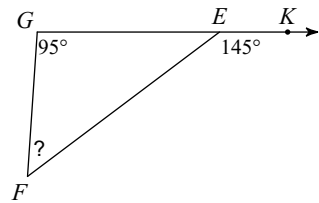
8)



9)

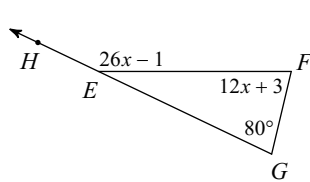


10)

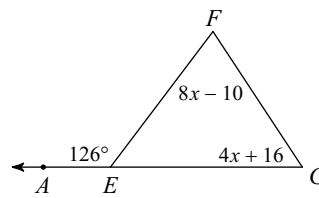


**Solve for  $x$ .**

11)



12)



**State if the three numbers can be the measures of the sides of a triangle.**

13) 8, 10, 21

14) 10, 10, 6

15) 14, 12, 8

16) 13, 7, 9

**Two sides of a triangle have the following measures. Find the range of possible measures for the third side.**

17) 6, 9

18) 11, 12