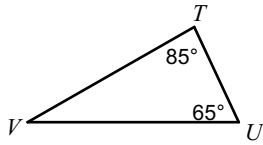


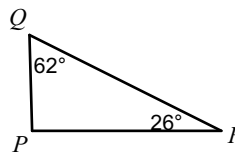
2.2 - Practice

Order the sides of each triangle from shortest to longest.

1)

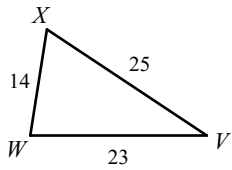


2)

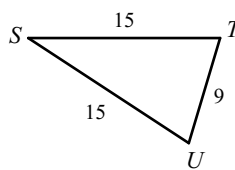


Order the angles in each triangle from smallest to largest.

3)



4)



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

5) 7, 11, 21

6) 8, 2, 7

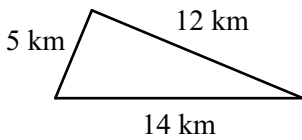
Two sides of a triangle have the following measures. Find the range of possible measures for the third side.

7) 9, 12

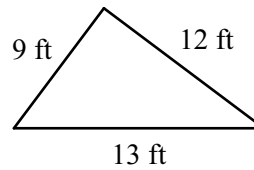
8) 9, 7

State if each triangle is acute, obtuse, or right.

9)

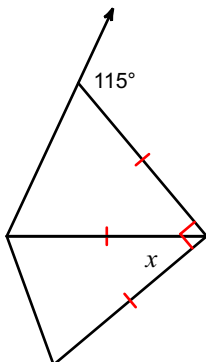


10)

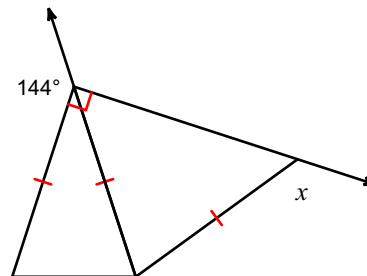


Find the value of x.

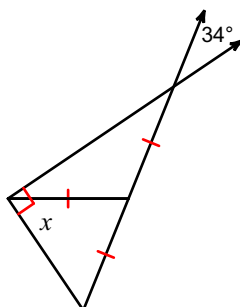
11)



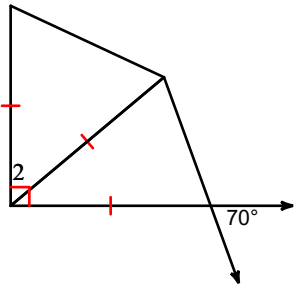
12)



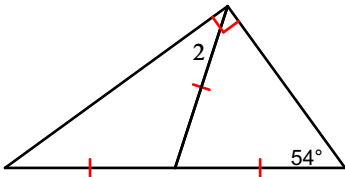
13)



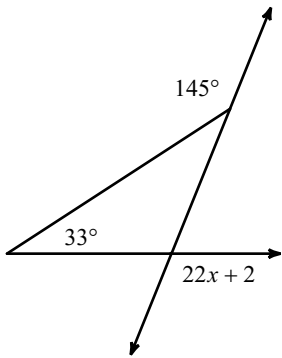
14)  $m\angle 2 = 6x - 10$



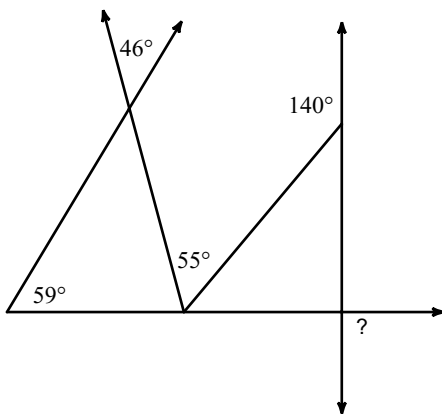
16)  $m\angle 2 = 6x - 6$



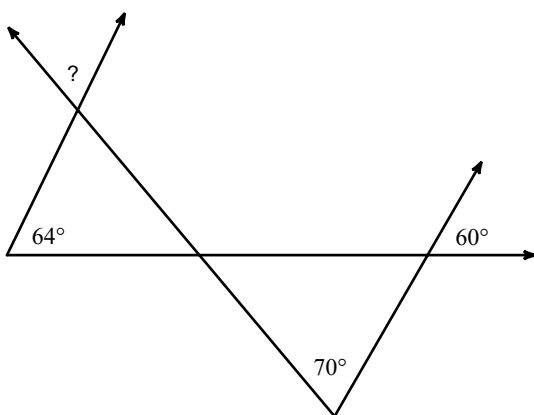
18)



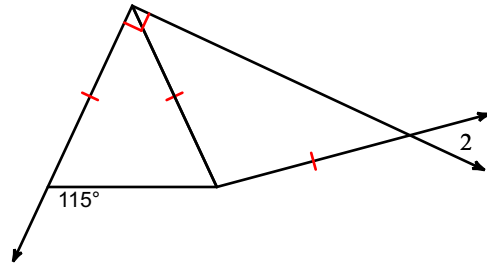
20)



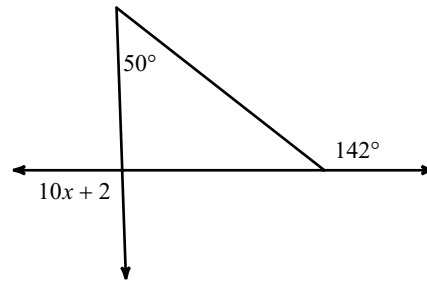
22)



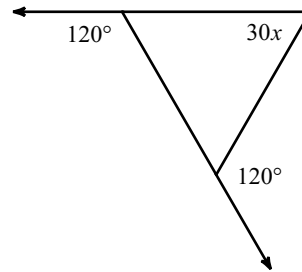
15)  $m\angle 2 = 4x - 8$



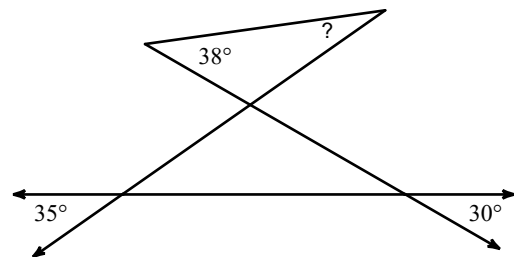
17)



19)



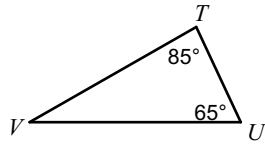
21)



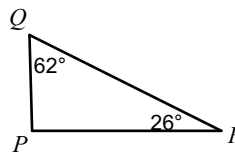
2.2 - Practice

Order the sides of each triangle from shortest to longest.

1)  $\overline{TU}, \overline{TV}, \overline{UV}$

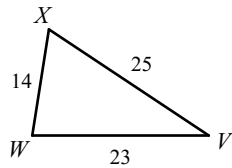


2)  $\overline{PQ}, \overline{PR}, \overline{QR}$

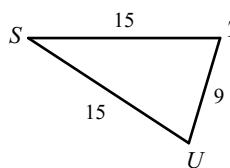


Order the angles in each triangle from smallest to largest.

3)  $\angle V, \angle X, \angle W$



4)  $\angle S, \angle T$  and  $\angle U$



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

5) 7, 11, 21 **No**

6) 8, 2, 7 **Yes**

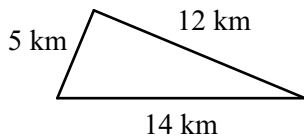
Two sides of a triangle have the following measures. Find the range of possible measures for the third side.

7) 9, 12  $3 < x < 21$

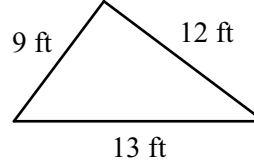
8) 9, 7  $2 < x < 16$

State if each triangle is acute, obtuse, or right.

9) **Obtuse**

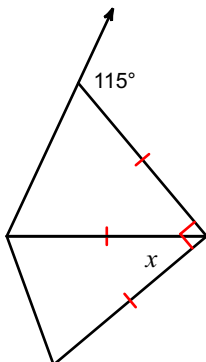


10) **Acute**

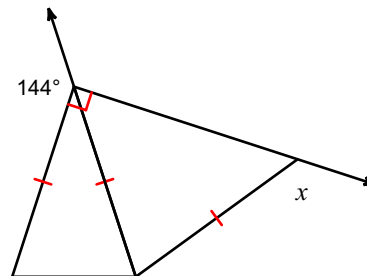


Find the value of  $x$ .

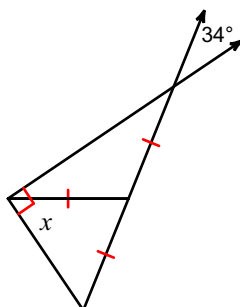
11)  $40^\circ$



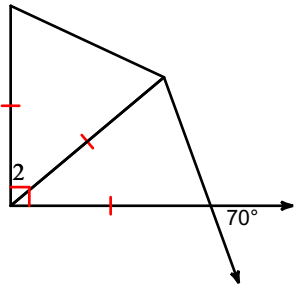
12)  $126^\circ$



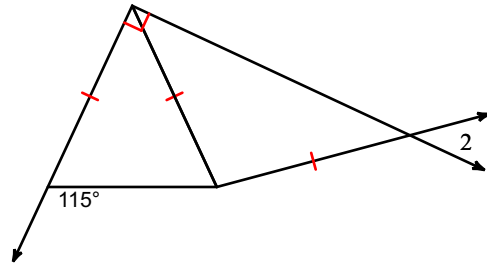
13)  $56^\circ$



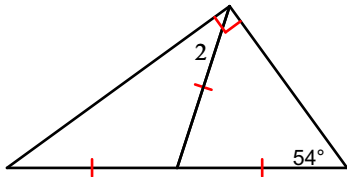
14)  $m\angle 2 = 6x - 10$       10



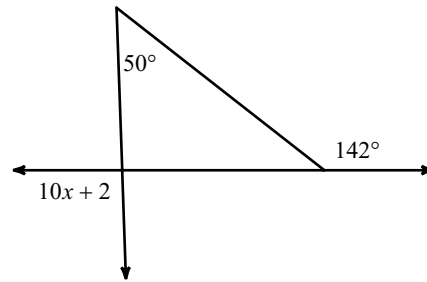
15)  $m\angle 2 = 4x - 8$       12



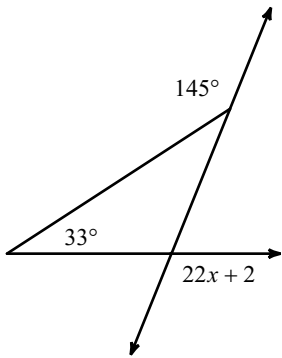
16)  $m\angle 2 = 6x - 6$       7



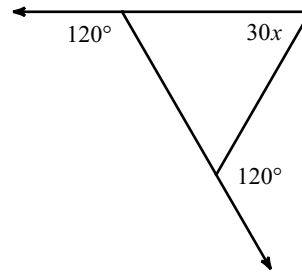
17)      9



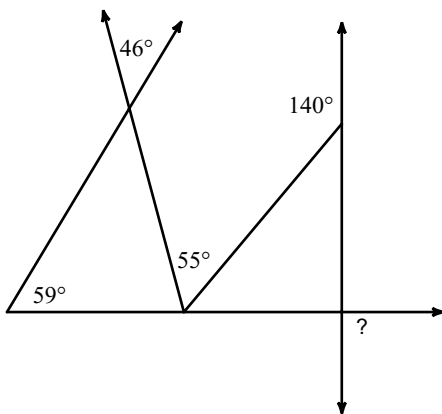
18)      5



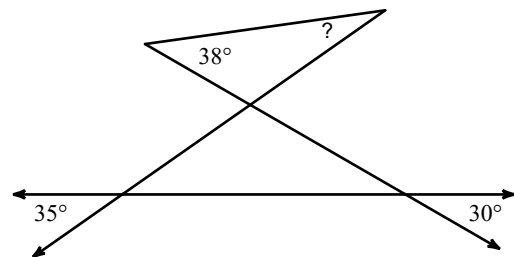
19)      2



20)      90°



21)      27°



22)      66°

