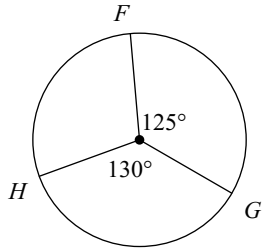


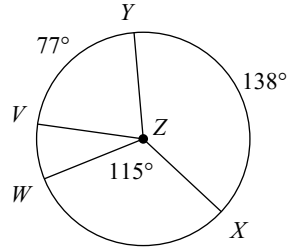
# Angle Relationships in Circles

Find the measure of the stated arc or angle.

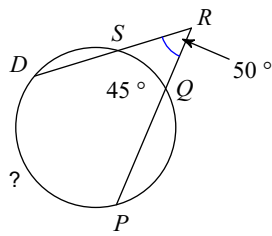
1)  $m\widehat{HFG}$



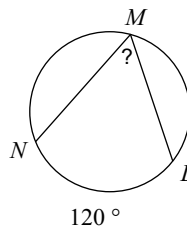
2)  $m\angle WZY$



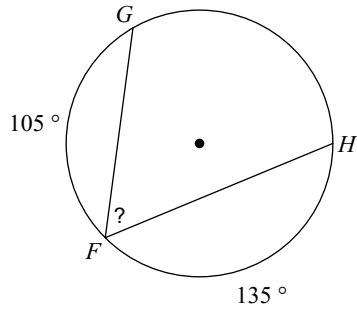
3)



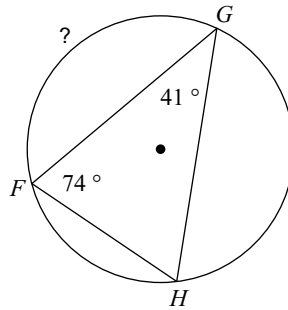
4)



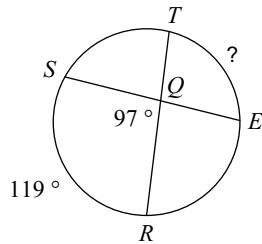
5)



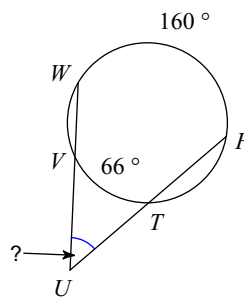
6)



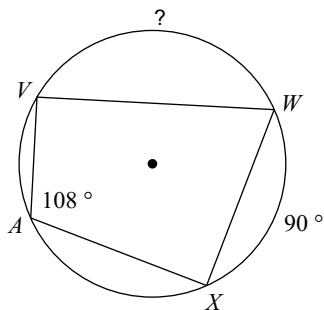
7)



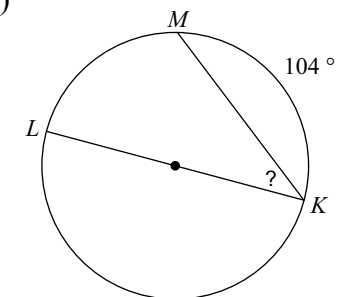
8)



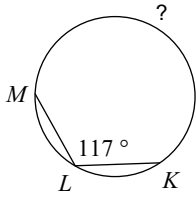
9)



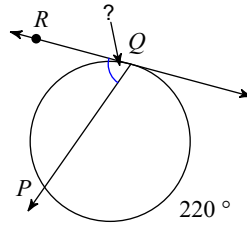
10)



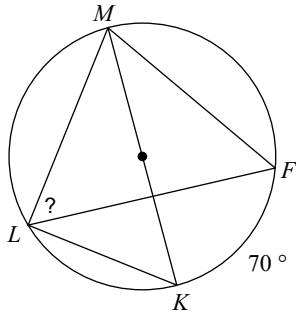
11)



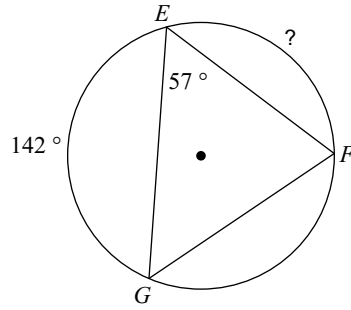
12)



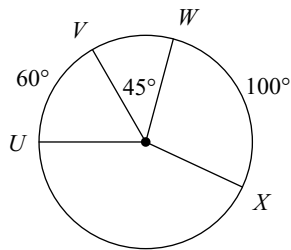
13)



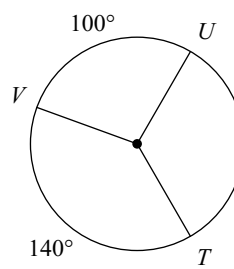
14)



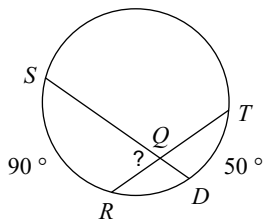
15)  $m\widehat{WXU}$



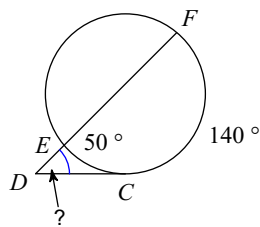
16)  $m\widehat{UTV}$



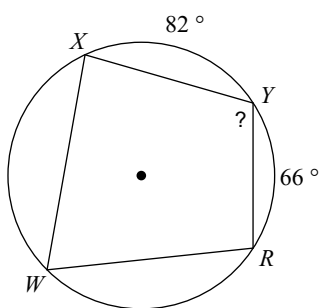
17)



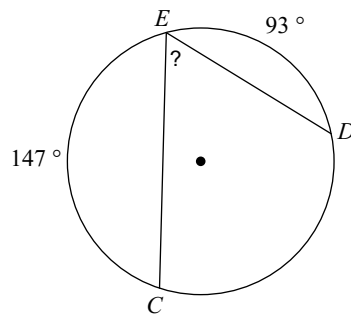
18)



19)

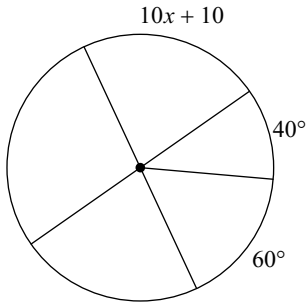


20)

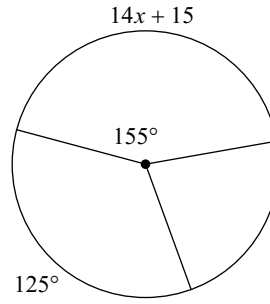


Solve for  $x$ . Assume that lines which appear to be diameters are actual diameters.

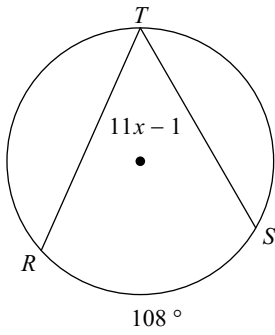
21)



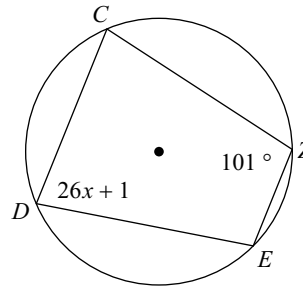
22)



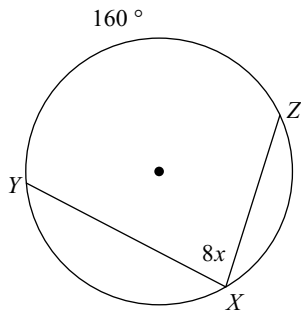
23)



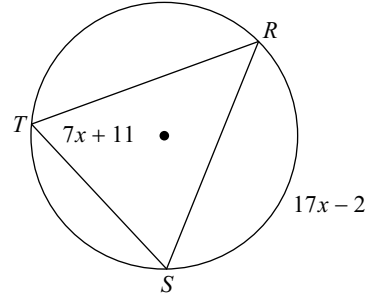
24)



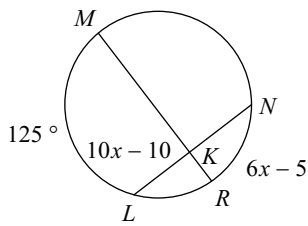
25)



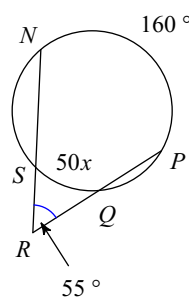
26)



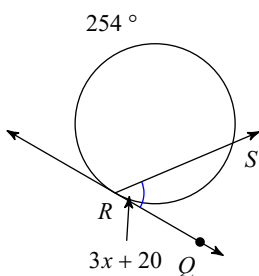
27)



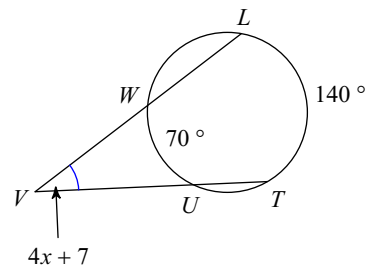
28)



29)



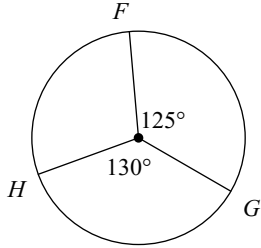
30)



# Angle Relationships in Circles

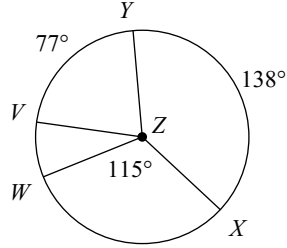
Find the measure of the stated arc or angle.

1)  $m\widehat{HFG}$



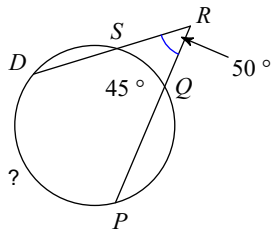
**230°**

2)  $m\angle WZY$



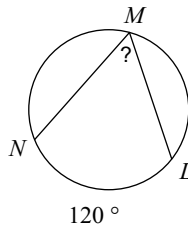
**107°**

3)



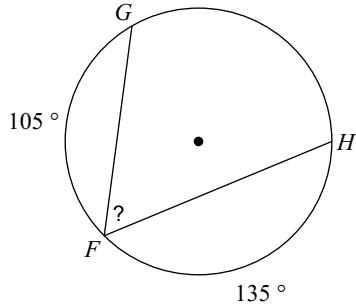
**145°**

4)



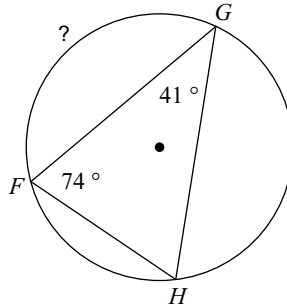
**60°**

5)



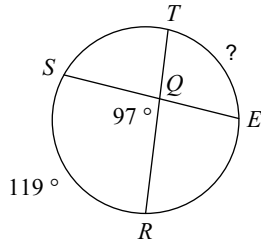
**60°**

6)



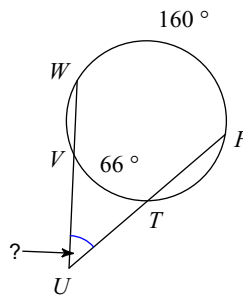
**130°**

7)



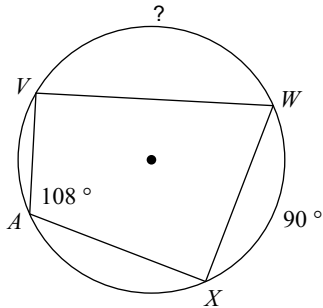
**75°**

8)



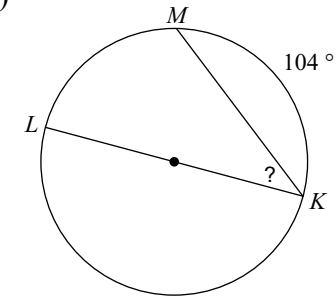
**47°**

9)



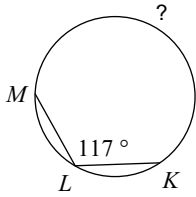
**126°**

10)



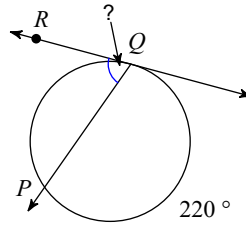
**38°**

11)



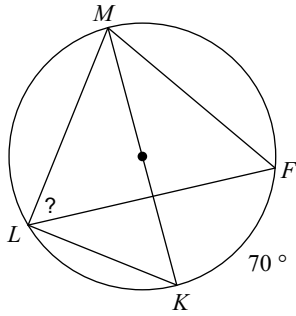
234°

12)



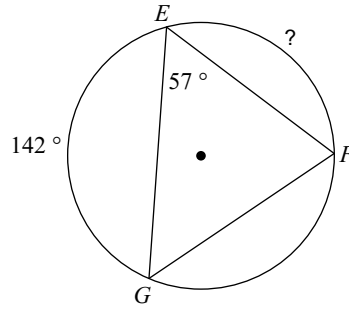
70°

13)



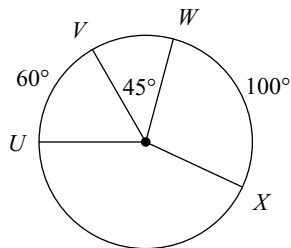
55°

14)



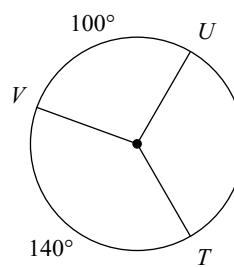
104°

15)  $m\widehat{WXU}$



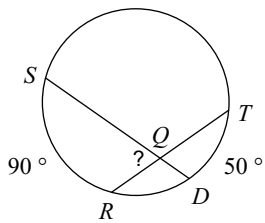
255°

16)  $m\widehat{UTV}$



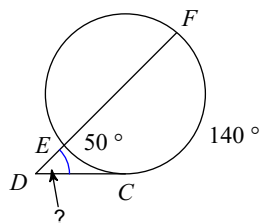
260°

17)



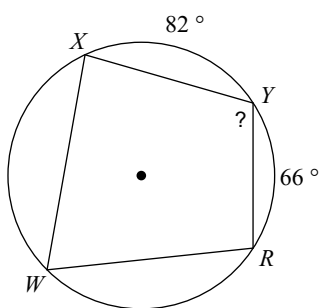
70°

18)



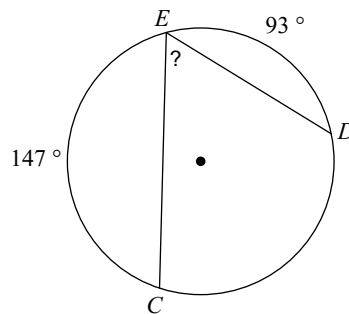
45°

19)



106°

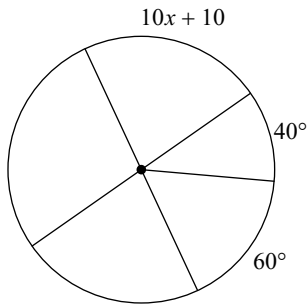
20)



60°

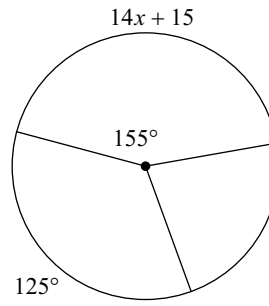
Solve for  $x$ . Assume that lines which appear to be diameters are actual diameters.

21)



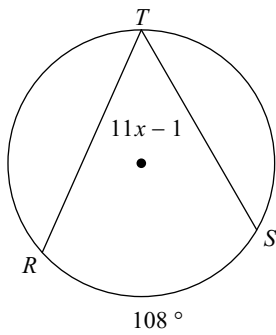
7

22)



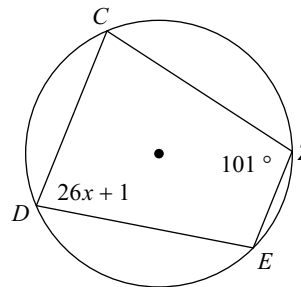
10

23)



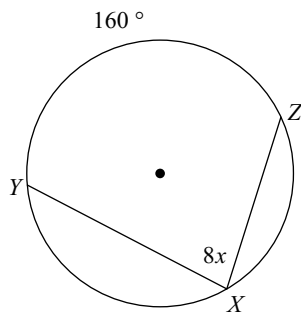
5

24)



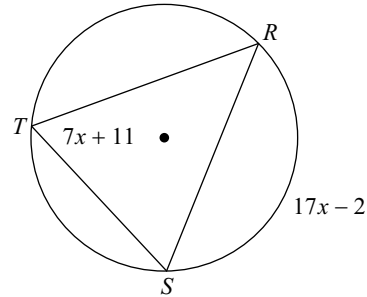
3

25)



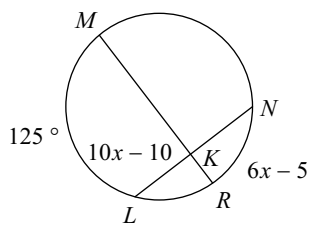
10

26)



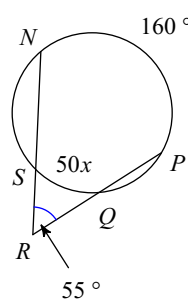
8

27)



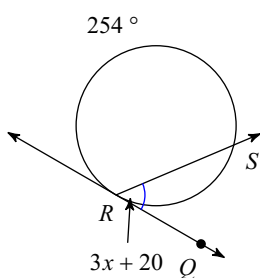
10

28)



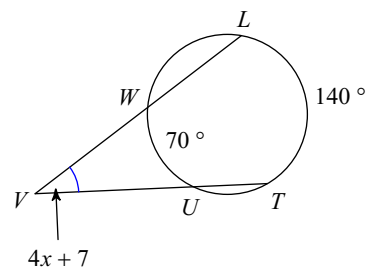
1

29)



11

30)



7