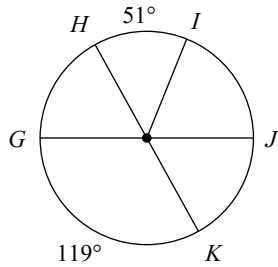


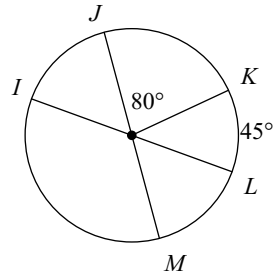
Angles in Circles

Find the measure of the arc or central angle indicated. Assume that lines which appear to be diameters are actual diameters.

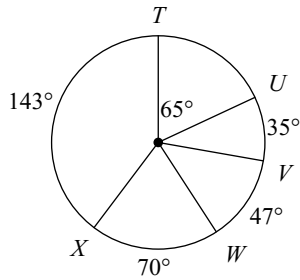
1) $m\widehat{KGI}$



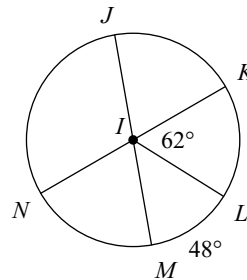
2) $m\widehat{IKM}$



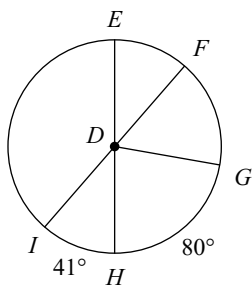
3) $m\widehat{TW}$



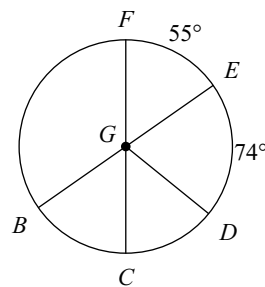
4) $m\angle NIJ$



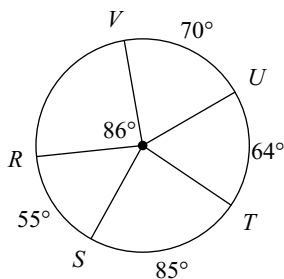
5) $m\angle GDI$



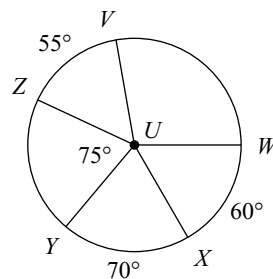
6) $m\angle BGF$



7) $m\widehat{SVT}$

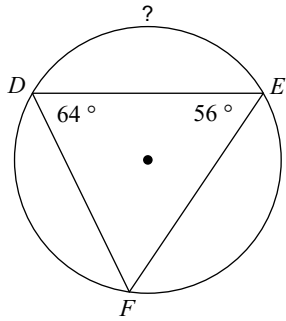


8) $m\angle WUY$

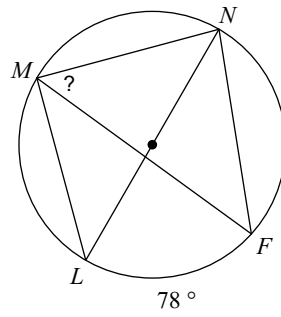


Find the measure of the arc or angle indicated.

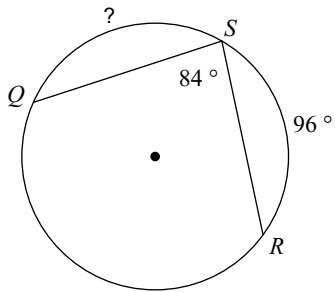
9)



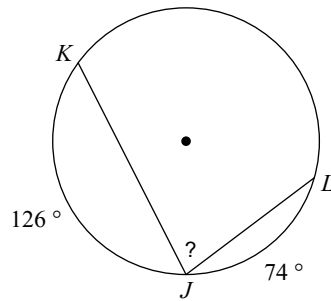
10)



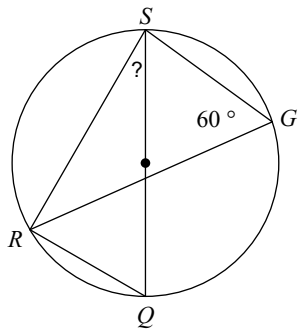
11)



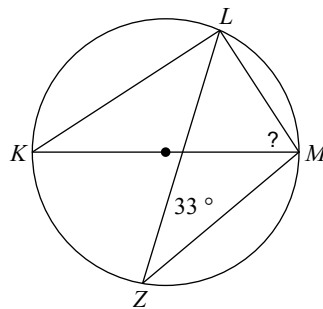
12)



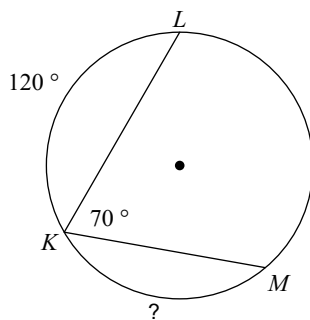
13)



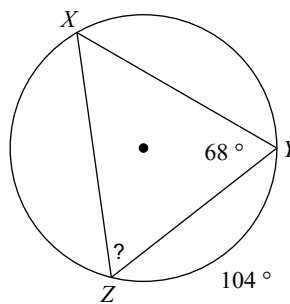
14)



15)

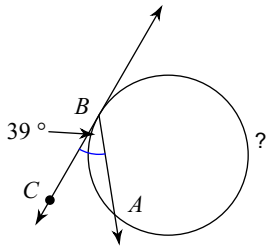


16)

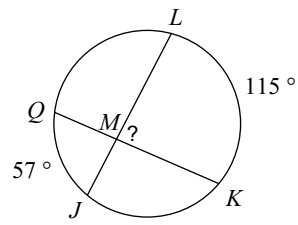


Find the measure of the arc or angle indicated. Assume that lines which appear tangent are tangent.

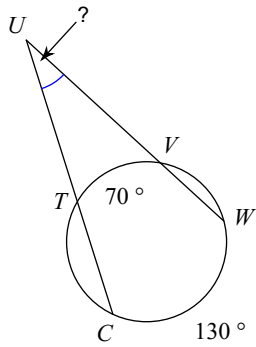
17)



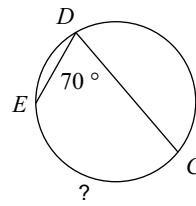
18)



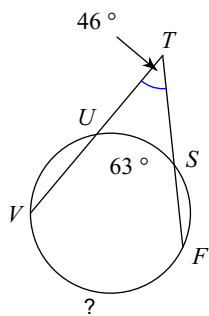
19)



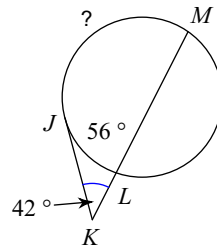
20)



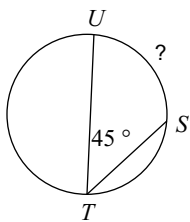
21)



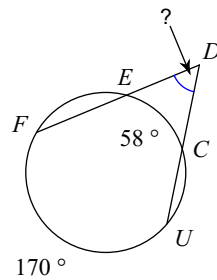
22)



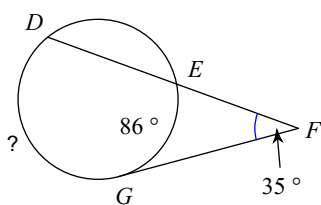
23)



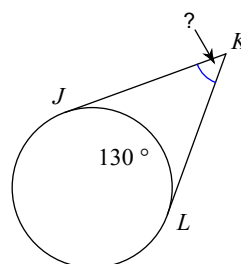
24)



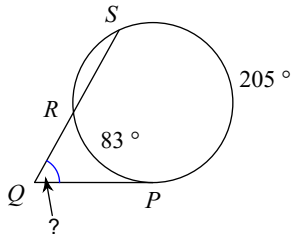
25)



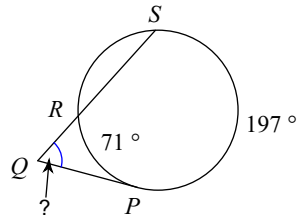
26)



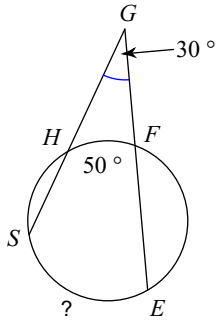
27)



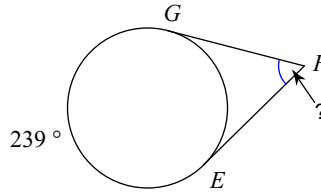
28)



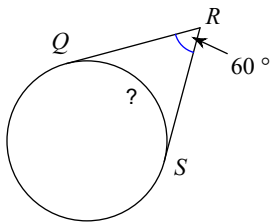
29)



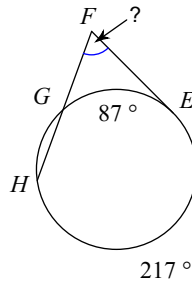
30)



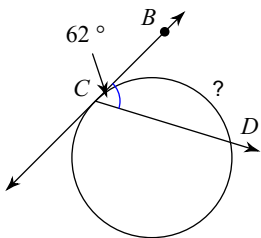
31)



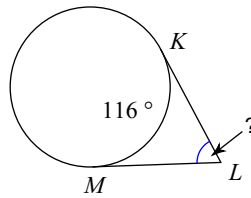
32)



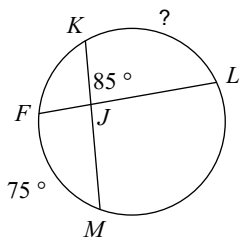
33)



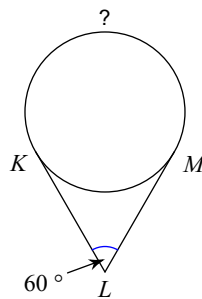
34)



35)



36)



Answers to Angles in Circles

1) 231°

5) 121°

9) 120°

13) 30°

17) 282°

21) 155°

25) 156°

29) 110°

33) 124°

2) 235°

6) 125°

10) 51°

14) 57°

18) 86°

22) 140°

26) 50°

30) 59°

34) 64°

3) 147°

7) 275°

11) 96°

15) 100°

19) 30°

23) 90°

27) 61°

31) 120°

35) 95°

4) 110°

8) 130°

12) 80°

16) 60°

20) 140°

24) 56°

28) 63°

32) 65°

36) 240°