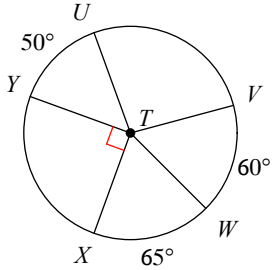


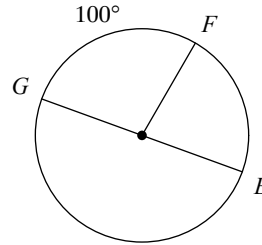
Unit 9 Circles Review

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

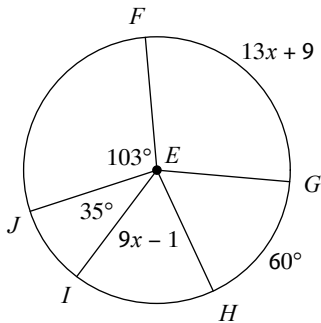
1) $m\angle WTY$



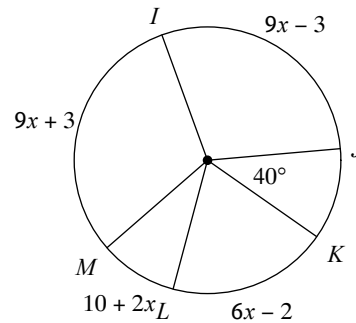
2) $m\widehat{EGF}$



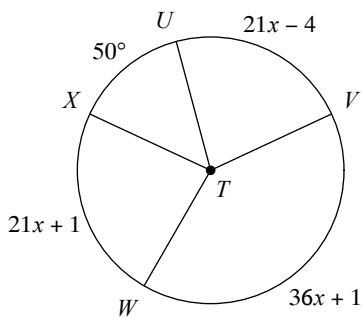
3) $m\angle FEG$



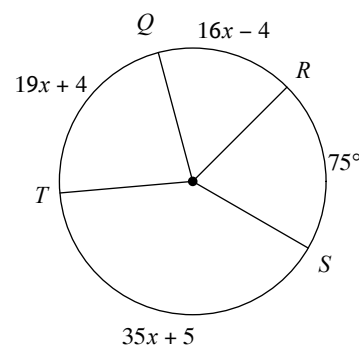
4) $m\widehat{LM}$



5) $m\angle VTW$

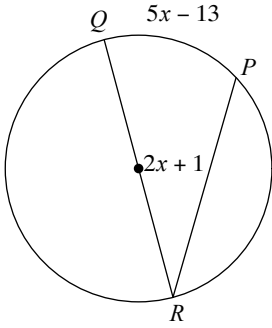


6) $m\widehat{TQ}$

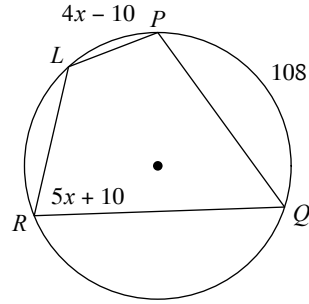


Find the measure of the arc or angle indicated.

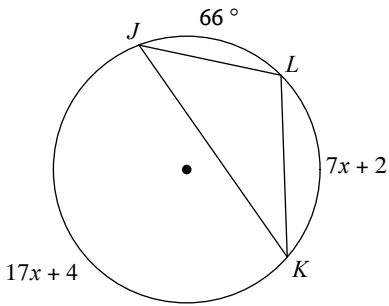
7) Find $m\widehat{QP}$



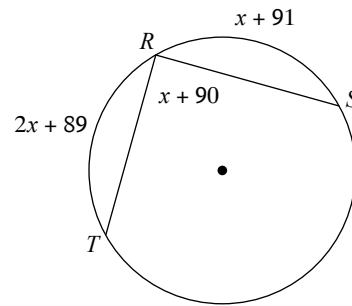
8) Find $m\widehat{LP}$



9) Find $m\widehat{JLK}$

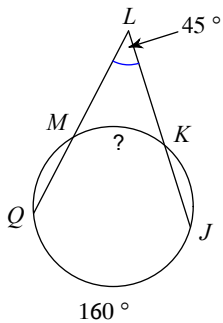


10) Find $m\angle SRT$

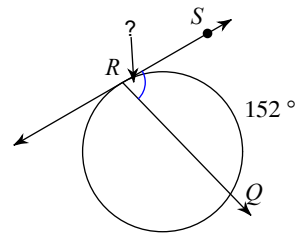


Find the measure of the arc or angle indicated. Assume that lines which appear tangent are tangent.

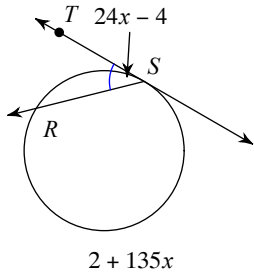
11)



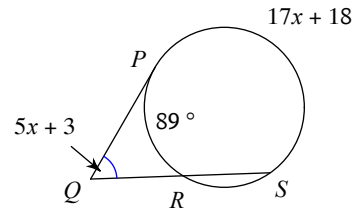
12)



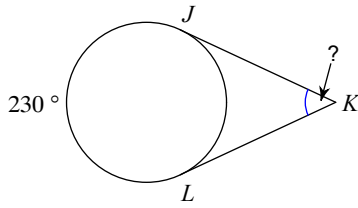
13) Find $m\angle RST$



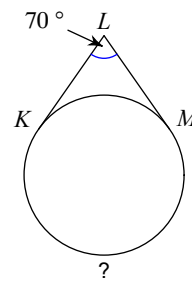
14) Find $m\angle PQS$



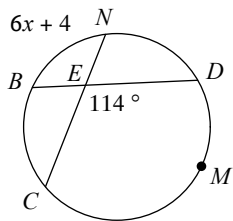
15)



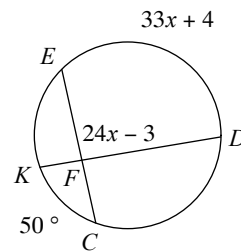
16)



17) $m\widehat{DMC} = 17x + 17$
Find $m\widehat{DMC}$

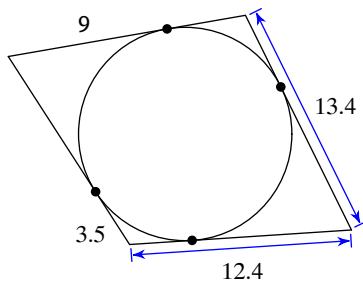


18) Find $m\angle EFD$

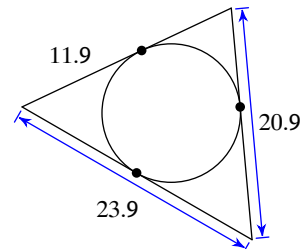


Find the perimeter of each polygon. Assume that lines which appear to be tangent are tangent.

19)

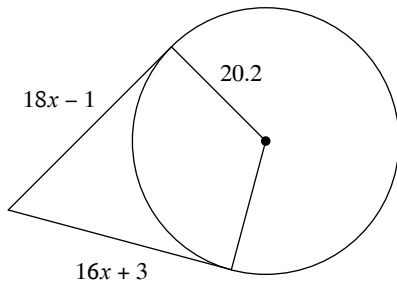


20)

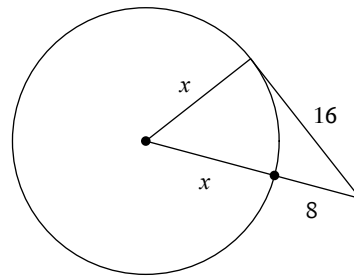


Solve for x . Assume that lines which appear to be tangent are tangent.

21)

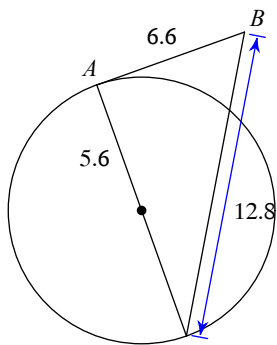


22)

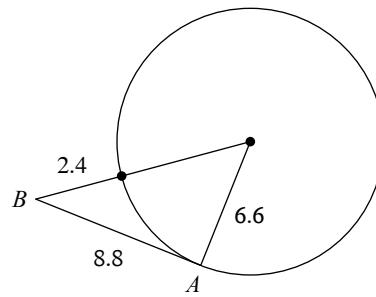


Determine if line AB is tangent to the circle.

23)



24)



25) What is a radian?

26) Explain where the formula for circumference comes from.

Convert each degree measure into radians and each radian measure into degrees.

27) $\frac{5\pi}{3}$

28) 30°

29) $\frac{3\pi}{2}$

30) 100°

Find the exact value of each trigonometric function.

31) $\tan \frac{2\pi}{3}$

32) $\cos \frac{\pi}{6}$

33) $\cos 330^\circ$

34) $\sin 225^\circ$

35) $\sin \frac{5\pi}{3}$

36) $\sin 135^\circ$

37) $\cos \frac{\pi}{3}$

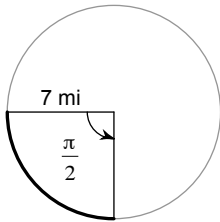
38) $\tan \frac{7\pi}{6}$

39) $\tan \frac{5\pi}{4}$

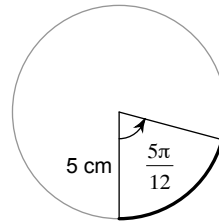
40) $\tan 90^\circ$

Find the exact measurement for arc length and sector area for each question.

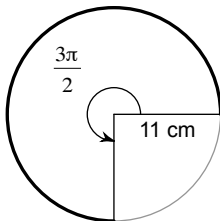
41)



42)



43)



44)

