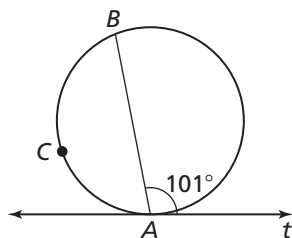


10.5

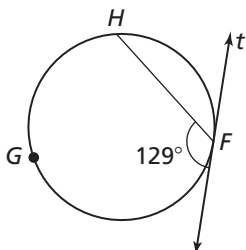
Practice A

In Exercises 1–3, line t is tangent to the circle. Find the indicated measure.

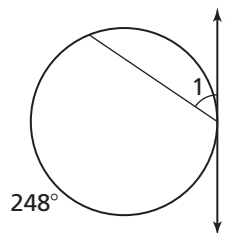
1. $m\widehat{AB}$



2. $m\widehat{FH}$

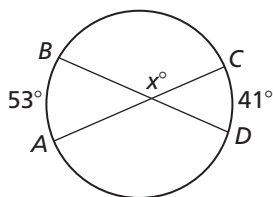


3. $m\angle 1$

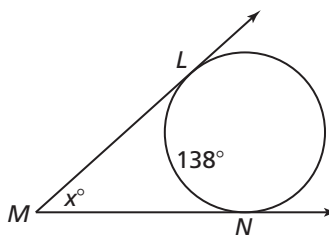


In Exercises 4–7, find the value of x .

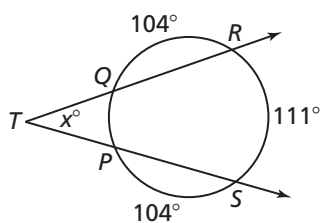
4.



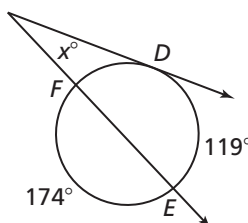
5.



6.



7.



8. Describe and correct the error in finding the angle measure.

$m\angle X = \frac{1}{2}(128^\circ + 100^\circ)$
 $= 114^\circ$

9. Parallel light rays enter the eye and are bent by the lens to converge at a single point on the retina called the *focal point*. When a person is farsighted, the rays converge behind the retina, as shown in the diagram. When $m\widehat{XY} = 52^\circ$ and $m\widehat{WZ} = 10^\circ$, find the measure of angle F .

