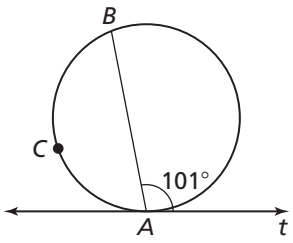
Name_____ Date _____

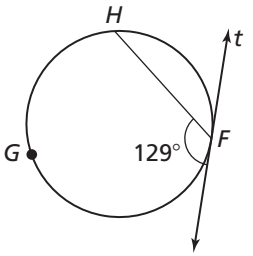
10.5 Practice A

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

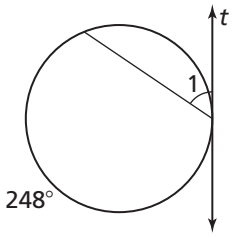
1. $m\overset{\frown}{AB}$



2. $m\overset{\frown}{FH}$

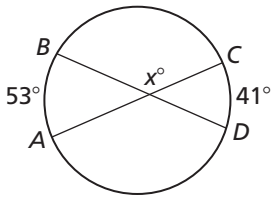


3. $m\angle 1$

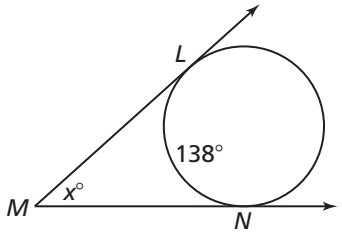


In Exercises 4–7, find the value of *x*.

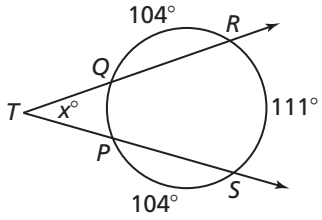
4.



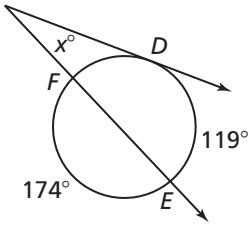
5.



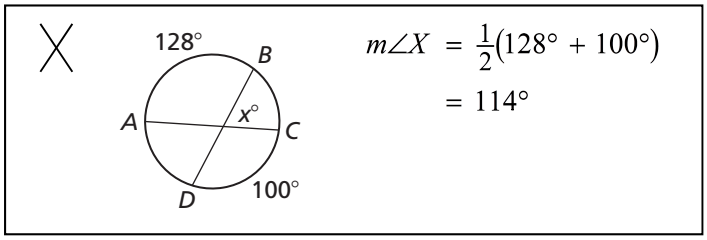
6.



7.



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



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 $m\overset{\frown}{XY} = 52°$ and $m\overset{\frown}{WZ} = 10°$, find the measure of angle *F*.

Focal Point of a Farsighted Eye