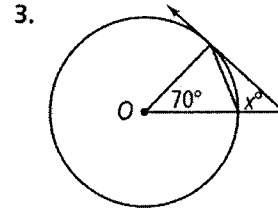
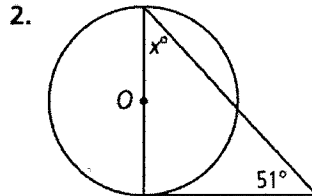
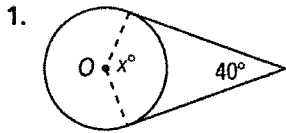
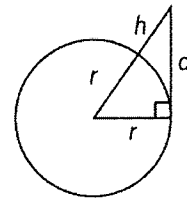


Algebra Assume that lines that appear to be tangent are tangent. O is the center of each circle. What is the value of x ?



The circle at the right represents Earth. The radius of the Earth is about 6400 km. Find the distance d that a person can see on a clear day from each of the following heights h above Earth. Round your answer to the nearest tenth of a kilometer.

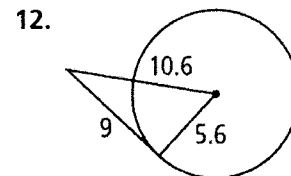
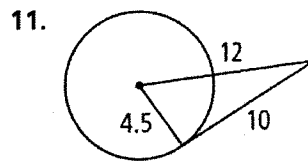
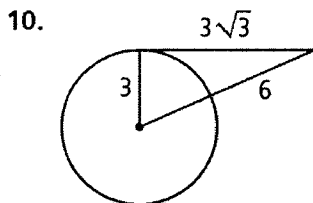


4. 12 km

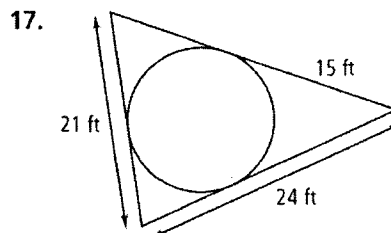
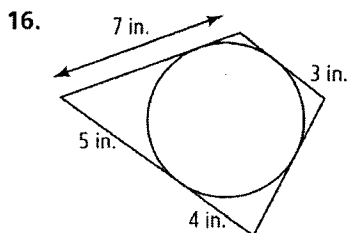
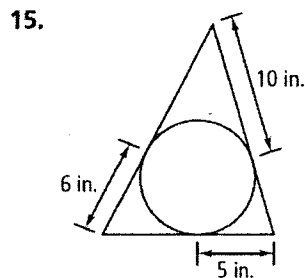
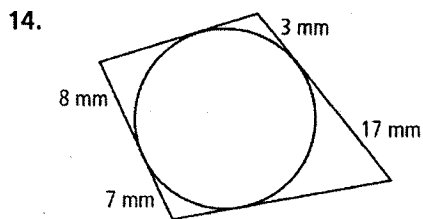
5. 20 km

6. 1300 km

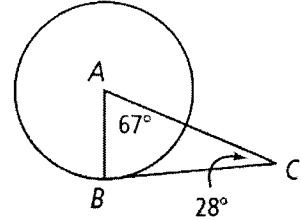
Determine whether a tangent line is shown in each diagram. Explain.



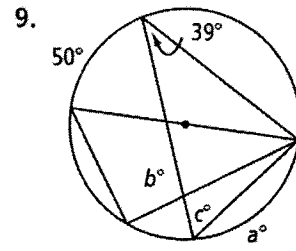
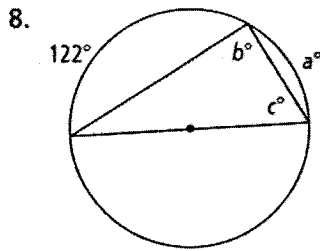
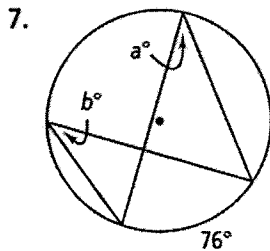
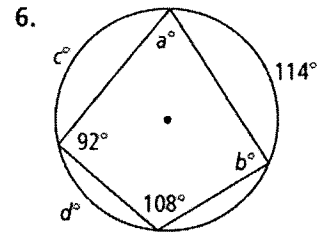
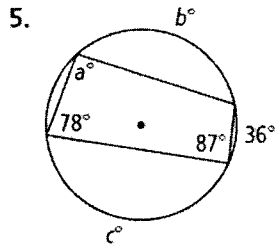
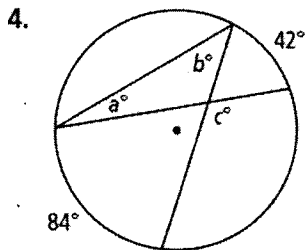
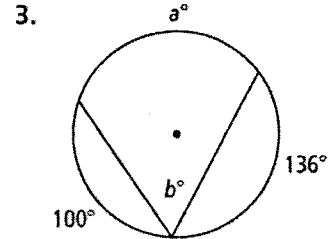
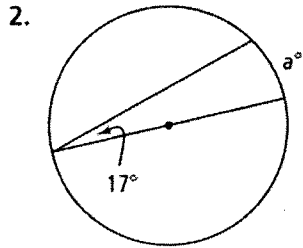
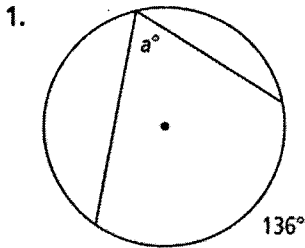
Each polygon circumscribes a circle. What is the perimeter of each polygon?



18. **Error Analysis** A classmate states that \overline{BC} is tangent to $\odot A$. Explain how to show that your classmate is wrong.



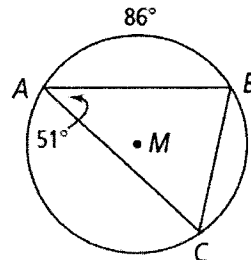
Find the value of each variable. For each circle, the dot represents the center.



Find each indicated measure for $\odot M$.

13. a. $m\angle B$
c. $m\widehat{BC}$

- b. $m\angle C$
d. $m\widehat{AC}$



18. **Error Analysis** A classmate says that $m\angle E = 90$. Explain why this is incorrect.

