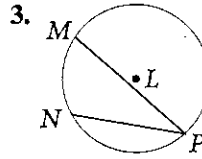
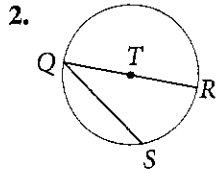
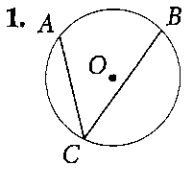


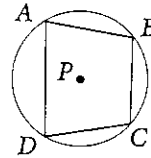
Name: _____

date: _____

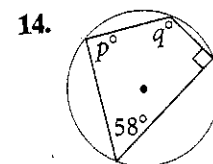
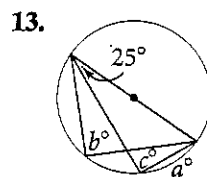
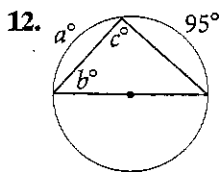
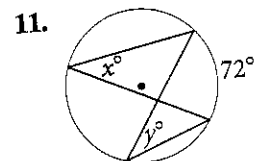
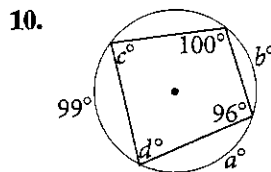
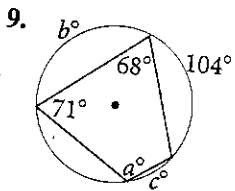
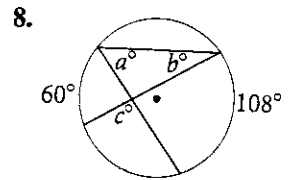
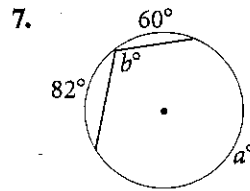
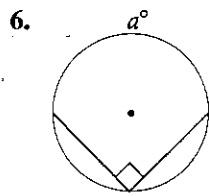
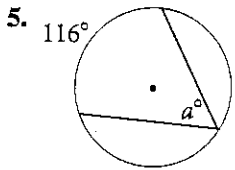
Identify the inscribed angle and its intercepted arc.



4. a. Name the four inscribed angles and their intercepted arcs.
 b. Which angles appear to intercept major arcs? What kind of angles do these appear to be?

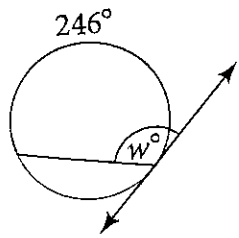


Find the value of each variable.

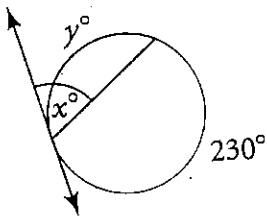


Find the value of each variable. You may assume that rays that appear to be tangent are tangent.

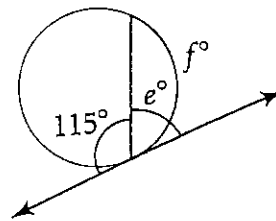
15.



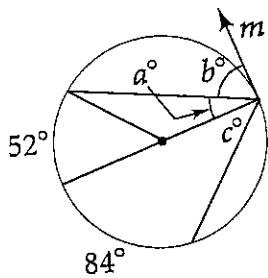
16.



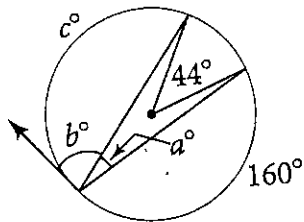
17.



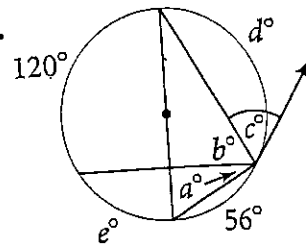
18.



19.

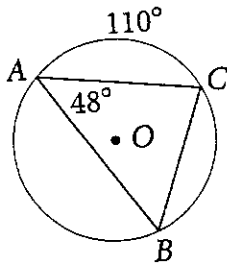


20.

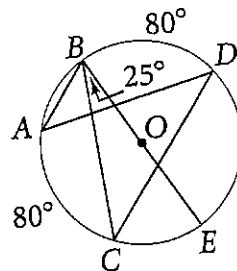


Find each indicated measure for $\odot O$.

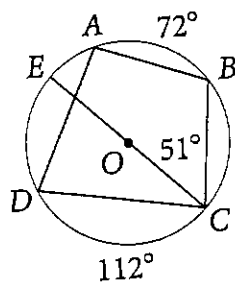
21. a. $m\widehat{BC}$
 b. $m\angle B$
 c. $m\angle C$
 d. $m\widehat{AB}$



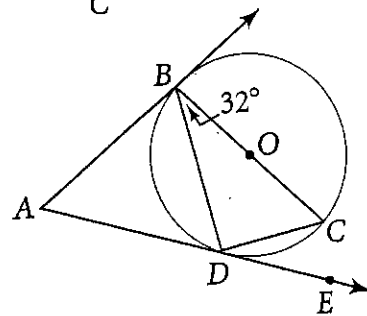
22. a. $m\angle A$
 b. $m\widehat{CE}$
 c. $m\angle C$
 d. $m\angle D$
 e. $m\angle ABE$



23. a. $m\widehat{EA}$
 b. $m\widehat{BC}$
 c. $m\angle A$
 d. $m\angle B$
 e. $m\angle BCD$
 f. $m\angle D$



24. a. $m\widehat{DC}$
 b. $m\widehat{BD}$
 c. $m\angle BCD$
 d. $m\angle BDC$
 e. $m\angle ABC$
 f. $m\angle ADB$



25. **Writing** Copy the diagram at the right on your paper. Draw chord \overline{RQ} . Explain why $m\widehat{PR} = m\widehat{QS}$.

