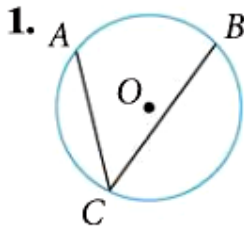


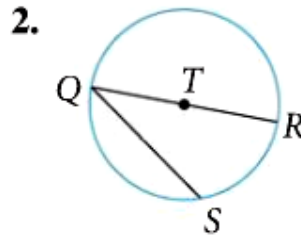
12-3 Inscribed Angles

Identify the inscribed angle and its intercepted arc.



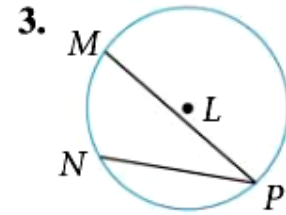
Inscribed angle _____

Intercepted Arc _____



Inscribed angle _____

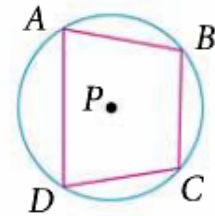
Intercepted Arc _____



Inscribed angle _____

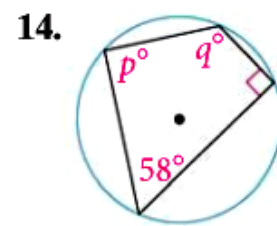
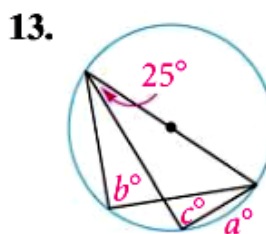
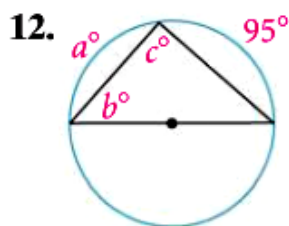
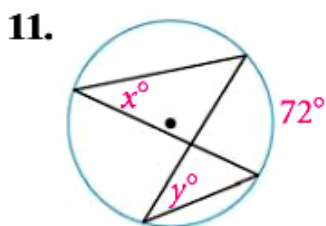
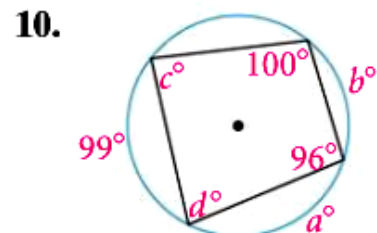
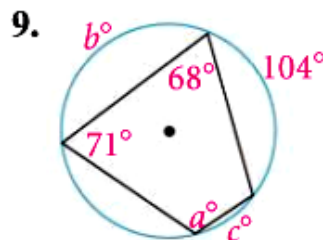
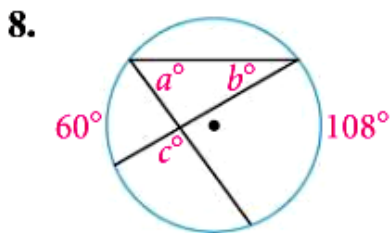
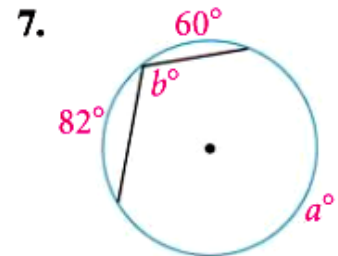
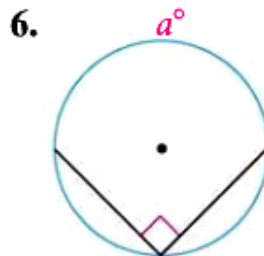
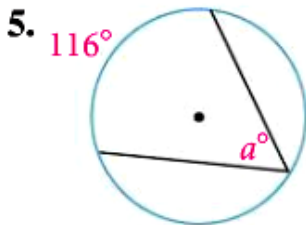
Intercepted Arc _____

4. a. Name the four inscribed angles and their intercepted arcs.

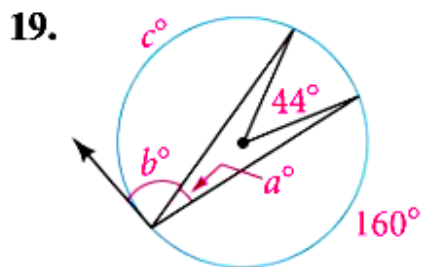
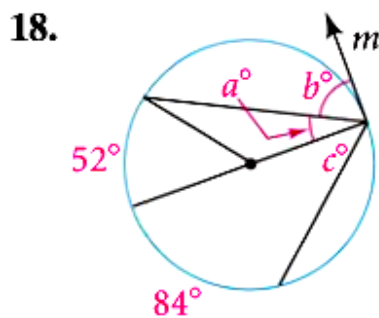
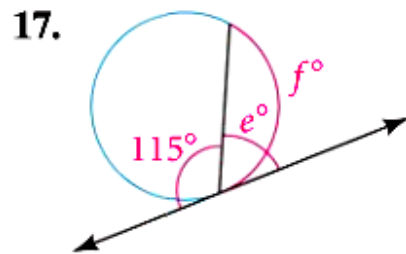
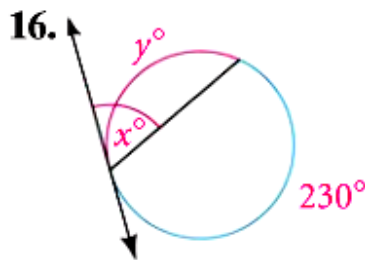
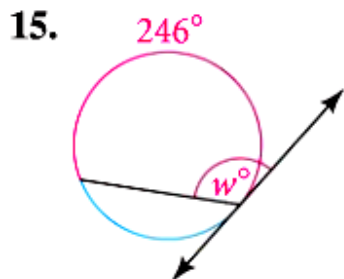


b. Which angles appear to intercept major arcs? What kind of angles do these appear to be?

Find the value of each variable.

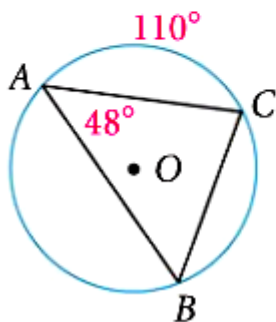


Find the value of each variable. You may assume that rays that appear to be tangent are tangent.

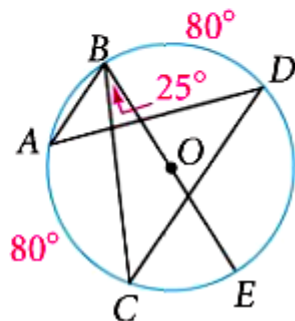


Find each indicated measure for $\odot O$.

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. **Multiple Choice** What is the measure of \widehat{EA} in the circle at the right?

(A) 21 (B) 30 (C) 36 (D) 51

24. Find each indicated measure for the circle in Exercise 23.

a. $m\widehat{BC}$ b. $m\angle A$ c. $m\angle B$ d. $m\angle BCD$

