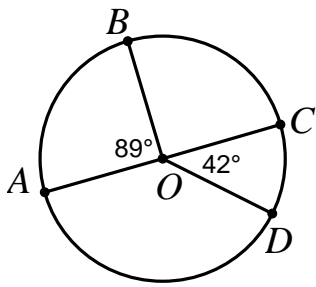


1. Circle O with diameter \overline{AC} . Find Each:



a. $m\angle BOC$

c. $m\widehat{BC}$

e. $m\widehat{DA}$

g. $m\widehat{BCD}$

i. $m\angle AOC$

b. $m\widehat{AB}$

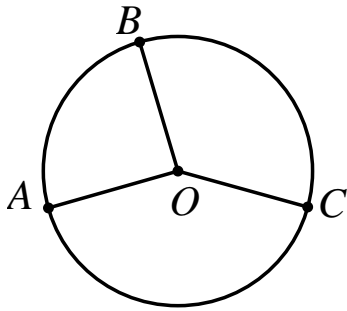
d. $m\angle DOA$

f. $m\angle BOD$

h. $m\widehat{DAB}$

j. $m\widehat{ADC}$

2. Circle O with $m\widehat{AB} : m\widehat{BC} : m\widehat{CA} = 3 : 4 : 5$. Find:

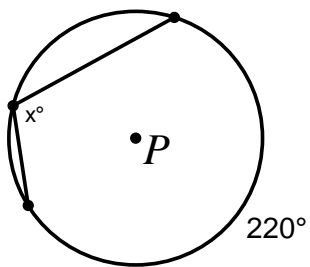


a. $m\angle AOB$

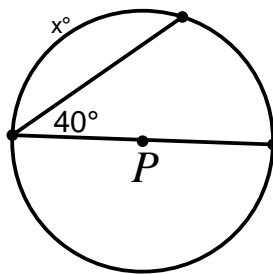
b. $m\widehat{ACB}$

3. Solve for the variables.

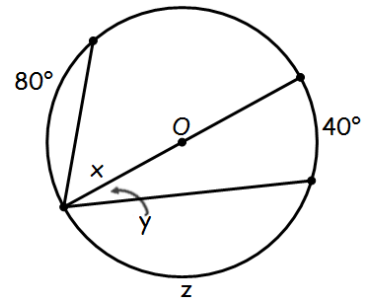
a.



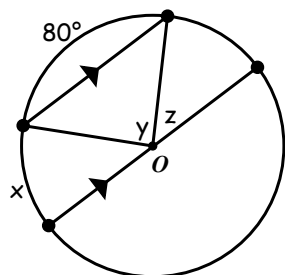
b.



c.



d.

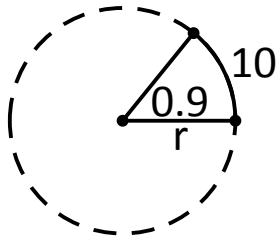


e.

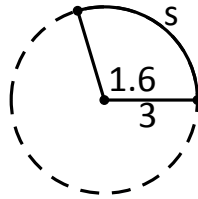
f.

4. Find θ , s , or r for each. Round each answer to the nearest tenth.

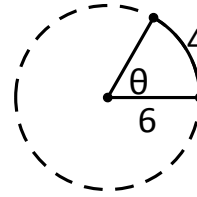
a.



b.



c.



5. Convert each degree measure to radians (give your answers in terms of π)

a. 45°

b. 150°

c. 80°

6. Convert each radian measure to degrees (round to the nearest degree)

a. $\frac{2\pi}{3}$

b. $\frac{5\pi}{12}$

c. 1.7

Complete the proof:

7. Given: $\odot O$

$$\widehat{CB} \cong \widehat{DB}$$

Prove: $\angle BCO \cong \angle BDO$

