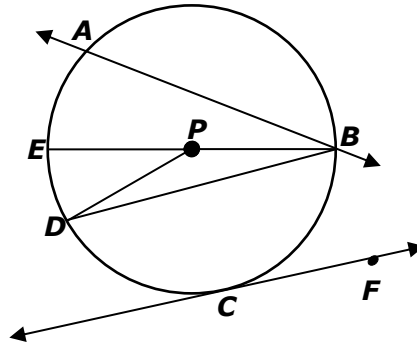




Angle Relationships in Circles

Independent Practice – Answer Key

Use the following figure for questions 1 – 5.



1. Name a tangent of $\odot P$.
 \overline{CF}

2. Name a chord of $\odot P$.
 \overline{AB} , \overline{EB} , \overline{DB}

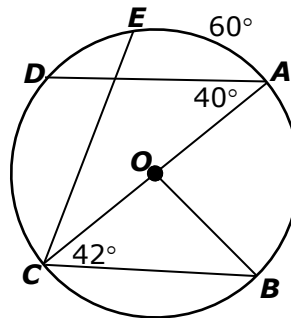
3. Name an inscribed angle in $\odot P$.
 $\angle EBD$, $\angle ABE$

4. Name a secant of $\odot P$.
 \overline{AB}

5. Name a central angle in $\odot P$.
 $\angle EPD$, $\angle DPB$



Use the following figure for questions 6 – 10.



6. What is the $m\widehat{AB}$?
 84°

7. What is the $m\angle COB$?
 96°

8. What is the $m\widehat{DC}$?
 80°

9. What is the $m\angle ECA$?
 30°

10. What is the $m\widehat{DE}$?
 40°



Use the following figure and information for questions 11 – 15.

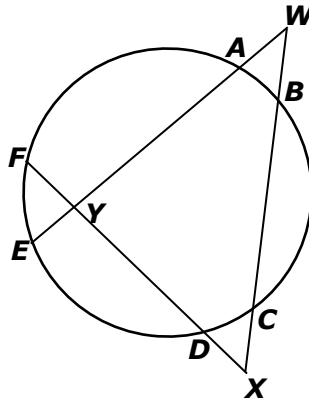
$$m\angle WXY = 53^\circ$$

$$m\widehat{DC} = 46^\circ$$

$$m\widehat{AB} = 40^\circ$$

$$m\angle EWC = 43^\circ$$

$$m\widehat{EF} = 50^\circ$$



11. What is $m\widehat{FA}$?
112°

12. What is $m\widehat{ED}$?
80°

13. What is $m\widehat{BC}$?
32°

14. What is $m\angle AYD$?
84°

15. What is $m\angle EYD$?
96°

