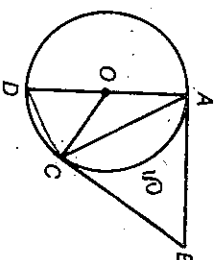


Practice 37

Chapter 9 Practice

In $\odot O$, give an example of each of the following.

- diameter \overline{AD}
- radius \overline{OA} , \overline{OD} , \overline{OC}
- chord \overline{AC} or \overline{AO}
- tangent \overline{BA} or \overline{BC}



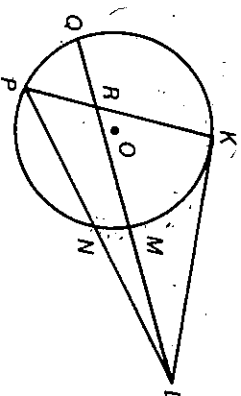
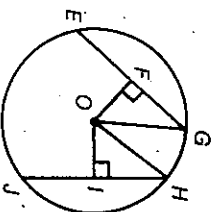
Exs. 1-10

If $\angle A = 5$ and $m\widehat{AC} = 110$, find the following.

- $m\angle AOC =$ 110
- $m\angle ADC =$ 55
- $m\angle CAB =$ 55
- $m\angle ABC =$ 70
- $m\angle ACD =$ 90
- $BC =$ 5

In Exercises 11-16, \overline{KL} is tangent to $\odot O$. Complete the following.

- If $m\widehat{KQ} = 110$ and $m\widehat{PM} = 130$, then $m\angle QRK =$ 120.
- If $m\widehat{KN} = 100$ and $m\widehat{KP} = 160$, then $m\angle KLP =$ 30.
- If $m\widehat{QP} = 50$ and $m\widehat{MN} = 20$, then $m\angle QLP =$ 15.
- If $PR = 6$, $RK = 8$, and $MR = 12$, then $QR =$ 4.
- If $KL = 12$ and $PL = 18$, then $NL =$ 8.
- If $QM = 5$, $ML = 3$, and $NL = 4$, then $PV =$ 2.
- Given: $\angle G \cong \angle H$;
 $\overline{OF} \perp \overline{FG}$;
 $\overline{OI} \perp \overline{HI}$;
 Prove: $\overline{EG} \cong \overline{HI}$



Exs. 11-16