

NAME

Mary

DATE

SCORE

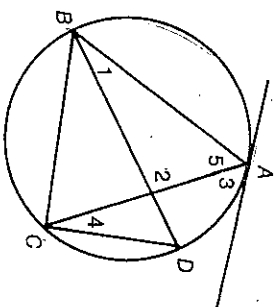
Practice 36

Angles and Segments

Lessons 9-5 through 9-7

Complete the following.

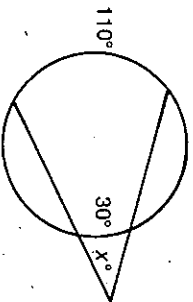
- If $m\widehat{AB} = 130$ and $m\widehat{CD} = 70$, then $m\angle 2 = \underline{100}$.
- If $m\angle 4 = 26$, then $m\angle 1 = \underline{26}$.
- If $m\widehat{AB} = 100$ and $m\widehat{BC} = 120$, then $m\angle 3 = \underline{70}$.
- If $\widehat{AB} \cong \widehat{AC}$ and $m\widehat{AB} = 130$, then $m\angle 5 = \underline{50}$.
- If $m\angle 2 = 105$ and $m\widehat{DC} = 55$, then $m\widehat{AB} = \underline{155}$.
- If \widehat{DB} is a diameter, then $m\angle BCD = \underline{90}$.



Exs. 1-6

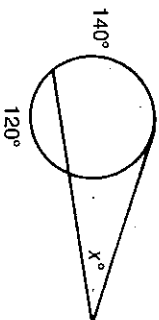
Find the value of x in each of the following circles.

7.



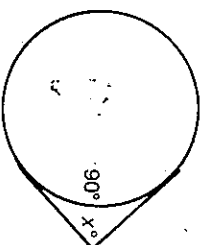
$$x = \underline{40}$$

8.



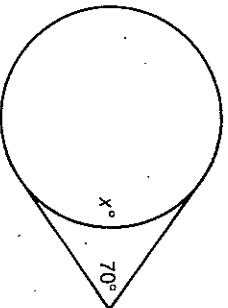
$$x = \underline{20}$$

9.



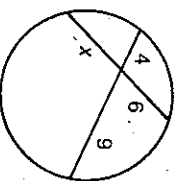
$$x = \underline{90}$$

10.



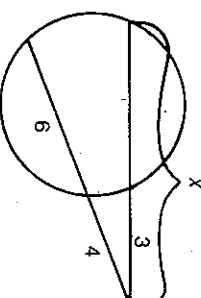
$$x = \underline{110}$$

11.



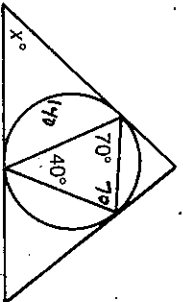
$$x = \underline{20}$$

12.



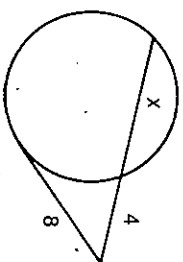
$$x = \underline{90}$$

13.



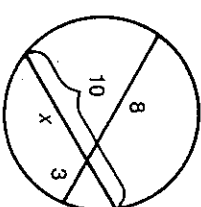
$$x = \underline{40}$$

14.



$$x = \underline{12}$$

15.



$$x = \underline{6}$$

OR $x = \underline{4}$

$$(220 - 140) \div 2$$