

Chapter 10

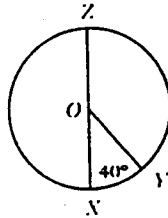
Practice Worksheet 29

Name _____

(Use with Section 10-2)

Example: Find the measure of each angle or arc listed. O always indicates the center of the circle.

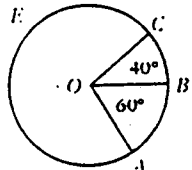
$$\begin{aligned}
 m\angle XOY &= 40^\circ \\
 m\angle ZOY &= 180 - 40 = 140 \\
 mZY &= 140 \\
 mXYZ &= 180 \\
 mYZX &= 360 - 40 = 320
 \end{aligned}$$



Find the measure of each angle or arc listed. O always indicates the center of the circle.

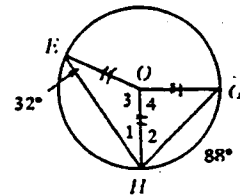
40°
60°
100°
260°
320°
300°

- $m\angle COB = \underline{\hspace{2cm}}$
- $m\widehat{AB} = \underline{\hspace{2cm}}$
- $m\widehat{AC} = \underline{\hspace{2cm}}$
- $m\widehat{AEC} = \underline{\hspace{2cm}}$
- $m\widehat{CEB} = \underline{\hspace{2cm}}$
- $m\widehat{AEB} = \underline{\hspace{2cm}}$



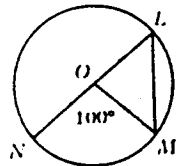
32°
116°
116°
88°
204°
272°

- $m\angle 1 = \underline{\hspace{2cm}}$
- $m\angle 3 = \underline{\hspace{2cm}}$
- $m\widehat{EH} = \underline{\hspace{2cm}}$
- $m\angle 4 = \underline{\hspace{2cm}}$
- $m\widehat{EHG} = \underline{\hspace{2cm}}$
- $m\widehat{HEG} = \underline{\hspace{2cm}}$



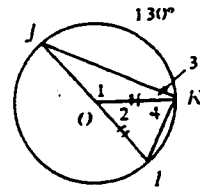
180°
100°
80°
80°
50°
260°

- $m\angle LMN = \underline{\hspace{2cm}}$
- $m\widehat{MN} = \underline{\hspace{2cm}}$
- $m\angle LOM = \underline{\hspace{2cm}}$
- $m\widehat{LM} = \underline{\hspace{2cm}}$
- $m\angle L = \underline{\hspace{2cm}}$
- $m\widehat{MLN} = \underline{\hspace{2cm}}$



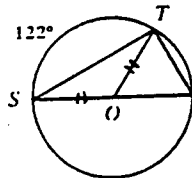
130°
50°
50°
25°
65°
310°

- $m\angle 1 = \underline{\hspace{2cm}}$
- $m\angle 2 = \underline{\hspace{2cm}}$
- $m\widehat{KI} = \underline{\hspace{2cm}}$
- $m\angle 3 = \underline{\hspace{2cm}}$
- $m\angle 1 = \underline{\hspace{2cm}}$
- $m\widehat{KJI} = \underline{\hspace{2cm}}$



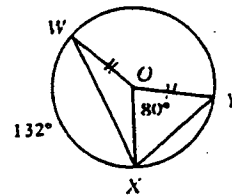
58°
122°
58°
302°
61°
238°

- $m\widehat{TU} = \underline{\hspace{2cm}}$
- $m\angle SOT = \underline{\hspace{2cm}}$
- $m\angle TOU = \underline{\hspace{2cm}}$
- $m\widehat{TU} = \underline{\hspace{2cm}}$
- $m\angle OTU = \underline{\hspace{2cm}}$
- $m\widehat{SUT} = \underline{\hspace{2cm}}$



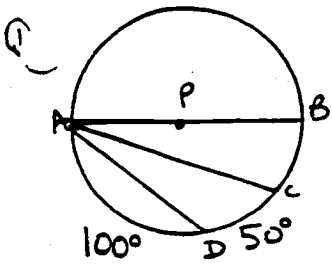
80°
148°
132°
280°
228°
148°

- $m\widehat{XY} = \underline{\hspace{2cm}}$
- $m\widehat{WY} = \underline{\hspace{2cm}}$
- $m\angle WOX = \underline{\hspace{2cm}}$
- $m\widehat{XWY} = \underline{\hspace{2cm}}$
- $m\widehat{XYW} = \underline{\hspace{2cm}}$
- $m\angle WOY = \underline{\hspace{2cm}}$

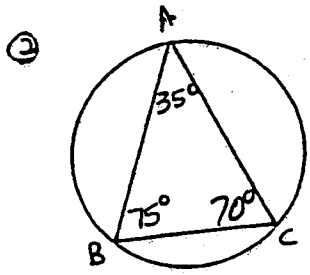


NAME _____

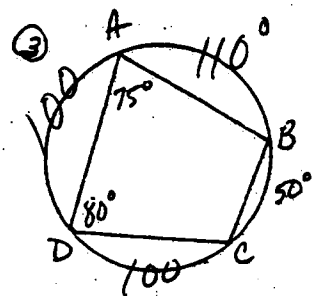
FIND MISSING ANGLES



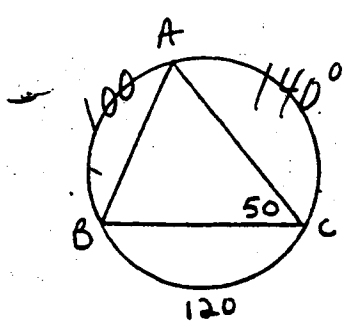
- $m\angle BAC$ 15°
- $m\angle CAD$ 25°
- $m\widehat{BC}$ 30°
- $m\widehat{CD}$ 50°
- ~~$m\widehat{AB}$ _____~~



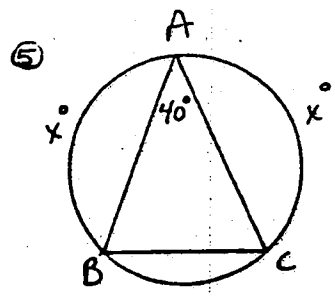
- $m\widehat{AC}$ 150°
- $m\widehat{AB}$ 140°
- $m\widehat{BC}$ 70°
- $m\angle ACB$ 70°
- $m\widehat{BCA}$ 220°



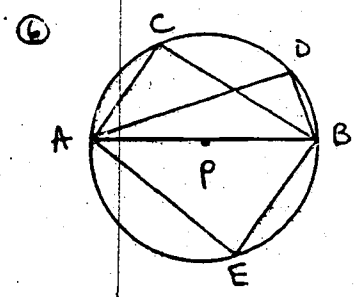
- $m\widehat{DC}$ 100°
- $m\widehat{AB}$ 110°
- $m\widehat{AD}$ 100°
- $m\angle ABC$ 100°
- $m\angle BCD$ 105°



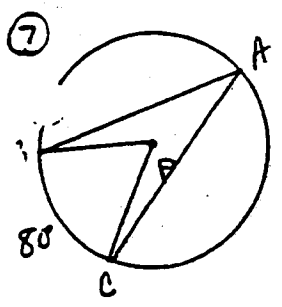
- $m\widehat{AB}$ 100°
- $m\widehat{AC}$ 140°
- $m\angle B$ 70°
- $m\angle A$ 60°



- $m\widehat{BC}$ 80°
- $m\widehat{AB}$ 140°
- $m\widehat{AC}$ 140°
- $m\angle B$ 70°
- $m\angle C$ 70°



- $m\angle C$ 90°
- $m\angle D$ 90°
- $m\angle E$ 90°
- $m\widehat{ACB}$ 180°
- $m\widehat{ADB}$ 180°
- $m\widehat{AEB}$ 180°



- $m\angle BPC$ 80°
- $m\angle A$ 40°

- $m\widehat{BAC}$ 280°