

Practice Worksheet for Lesson 9-6

Name: _____

Use the given diagram to find the following measures.

Mailbox #: _____

1) if $m\widehat{AC} = 85^\circ$ and $m\widehat{DB} = 73^\circ$, then

$m\angle 1 =$ _____

2) if $m\widehat{AD} = 136^\circ$ and $m\widehat{CB} = 96^\circ$, then

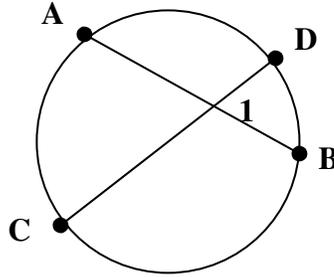
$m\angle 1 =$ _____

3) if $m\angle 1 = 54^\circ$ and $m\widehat{AC} = 78^\circ$, then

$m\widehat{DB} =$ _____

4) if $m\angle 1 = 48^\circ$ and $m\widehat{DB} = 42^\circ$, then

$m\widehat{AC} =$ _____

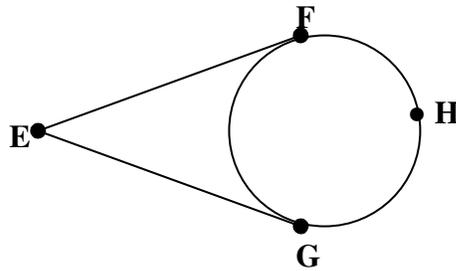


Use the given diagram to find the following measures.

5) if $m\widehat{FHG} = 280^\circ$, then $m\angle E =$ _____

6) if $m\widehat{FG} = 96^\circ$, then $m\angle E =$ _____

7) if $m\angle E = 90^\circ$, then $m\widehat{FHG} =$ _____



Use the given diagram to find the following measures.

8) if $m\widehat{JK} = 120^\circ$ and $m\widehat{JL} = 40^\circ$, then

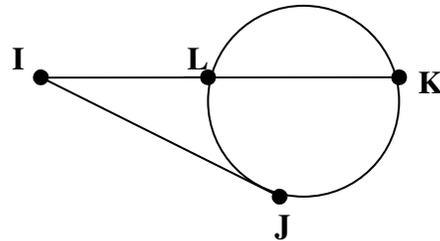
$m\angle I =$ _____

9) if $m\angle I = 45^\circ$ and $m\widehat{JL} = 55^\circ$, then

$m\widehat{JK} =$ _____

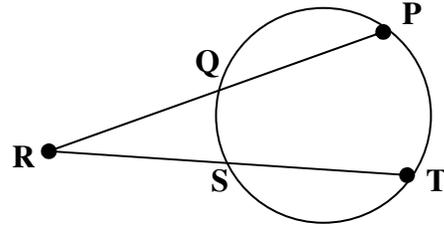
10) if $m\angle I = 50^\circ$ and $m\widehat{JK} = 110^\circ$, then

$m\widehat{JL} =$ _____



Use the given diagram to find the following measures.

- 11) if $m\widehat{PT} = 100^\circ$ and $m\widehat{QS} = 20^\circ$,
 then $m\angle R = \underline{\hspace{2cm}}$
- 12) if $m\widehat{PT} = 130^\circ$ and $m\widehat{QS} = 40^\circ$,
 then $m\angle R = \underline{\hspace{2cm}}$
- 13) if $m\angle R = 25^\circ$ and $m\widehat{QS} = 25^\circ$, then
 $m\widehat{PT} = \underline{\hspace{2cm}}$
- 14) if $m\angle R = 40^\circ$ and $m\widehat{PT} = 130^\circ$,
 then $m\widehat{QS} = \underline{\hspace{2cm}}$
- 15) if $m\widehat{ST} = 90^\circ$, $m\widehat{QS} = 60^\circ$, and
 $m\widehat{QP} = 80^\circ$, then $m\angle R = \underline{\hspace{2cm}}$



Use the given diagram to find the following measures.

- 16) if $m\widehat{AG} = 100^\circ$ and $m\widehat{BH} = 20^\circ$,
 then $m\angle C = \underline{\hspace{2cm}}$
- 17) if $m\angle C = 25^\circ$ and $m\widehat{BH} = 25^\circ$, then
 $m\widehat{AG} = \underline{\hspace{2cm}}$
- 18) if $m\widehat{EH} = 95^\circ$ and $m\widehat{GE} = 25^\circ$,
 then $m\angle D = \underline{\hspace{2cm}}$
- 19) if $m\angle D = 40^\circ$ and $m\widehat{EH} = 138^\circ$,
 then $m\widehat{GE} = \underline{\hspace{2cm}}$

