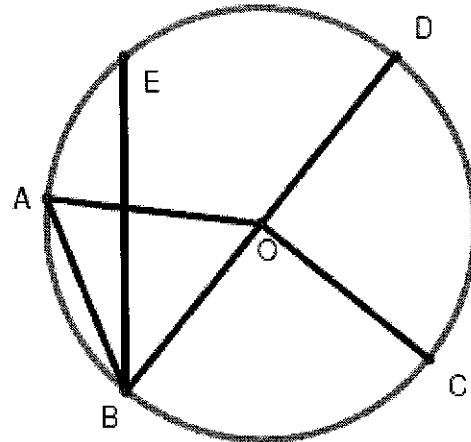


Name: Key Date: _____

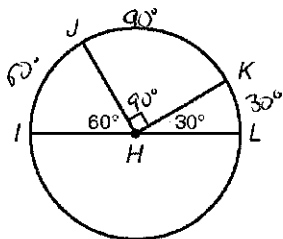
Central Angles Homework

1. Identify and name each of the following. Be sure to use the correct notation.

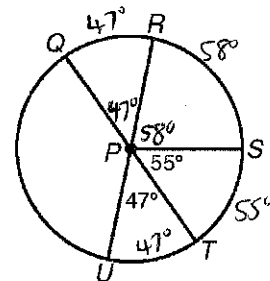
- a. Two different central angles $\angle DOC, \angle COB$
- b. A minor arc \widehat{AB}
- c. A major arc \widehat{OBC}
- d. A semicircle \widehat{DCB}
- e. Two different chords $\overline{BC}, \overline{AB}$
- f. The central angle subtended by \widehat{AD} $\angle AOD$



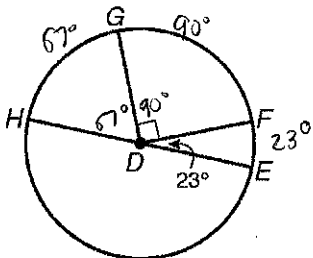
Find each measure.



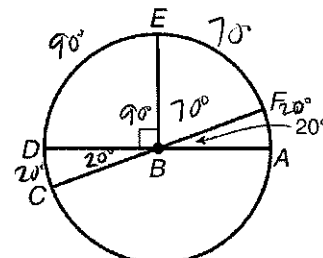
2. $m\widehat{LK}$ 30° , $m\widehat{JK} = 150^\circ$



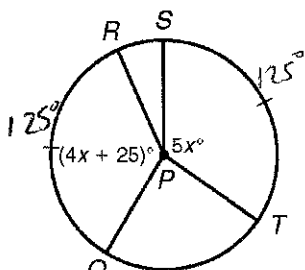
3. $m\widehat{QS}$ 105° , $m\widehat{ROT} = 227^\circ$



4. $m\widehat{HG}$ 67° , $m\widehat{FEH} = 203^\circ$

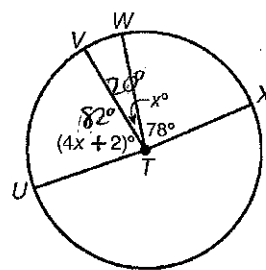


5. $m\widehat{EF}$ 70° , $m\widehat{CEA} = 200^\circ$



$4x + 25 = 5x$
 $25 = x$

6. $m\widehat{QPR}$ 125°



7. $\angle UTW$ 102° , $m\widehat{UV} = 82^\circ$

$x + 4x + 2 + 78 = 180$
 $5x + 80 = 180$
 $5x = 100$
 $x = 20$

