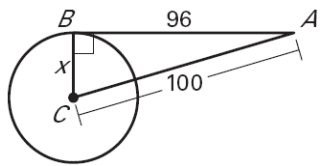
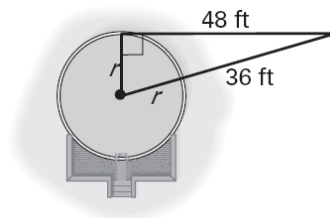


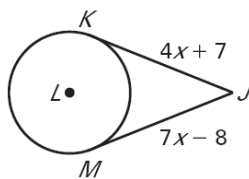
1) What is x ?



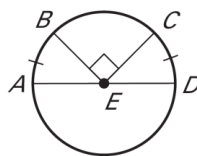
2) Swimming Pool You are standing 36 feet from a circular swimming pool. The distance from you to a point of tangency on the pool is 48 feet as shown. What is the radius of the pool?



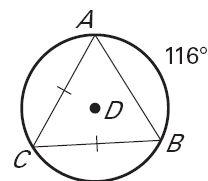
3) Find x .



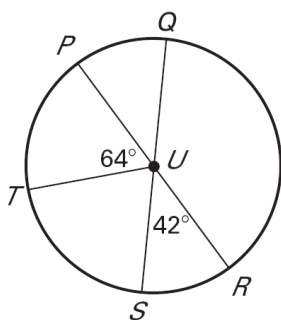
4) What is $m\widehat{DAB}$?



5) Find $m\widehat{BC}$.



Use $\odot F$ for #6-14 to determine whether the given arc is a minor arc, major arc, or semicircle. Then, give the measure of the arc.



6) $m\widehat{PQ}$

7) $m\widehat{ST}$

8) $m\widehat{PS}$

9) $m\widehat{RT}$

10) $m\widehat{QS}$

11) $m\widehat{QR}$

12) $m\widehat{PQS}$

13) $m\widehat{TQR}$

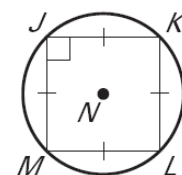
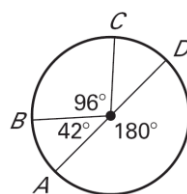
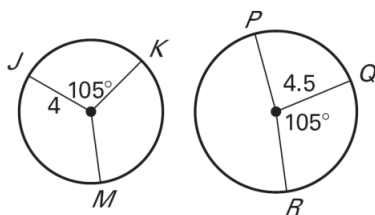
14) $m\widehat{PS}$

In 15 – 16, determine whether the given arcs are congruent.

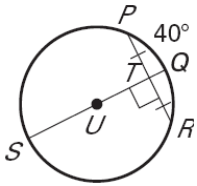
15) \widehat{JK} and \widehat{QR}

16) \widehat{AB} and \widehat{CD}

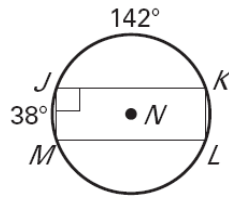
17) Find $m\widehat{LM}$.



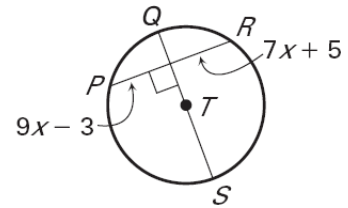
18) Find $m\widehat{PQR}$.



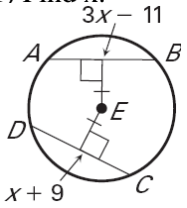
19) Find $m\widehat{KLM}$.



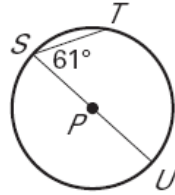
20) Find x.



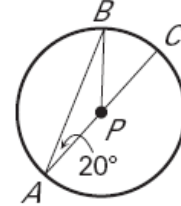
21) Find x.



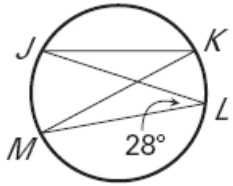
22) Find $m\widehat{ST}$.



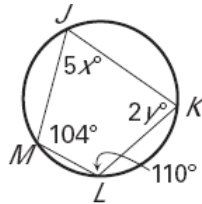
23) Find $m\widehat{AB}$.



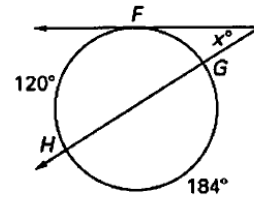
24) $m\angle K$



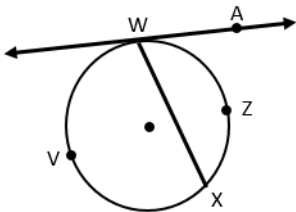
25) What is x and y?



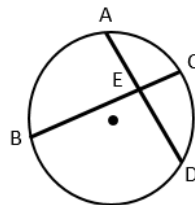
26) What is x?



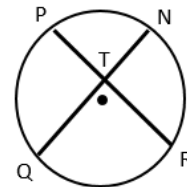
27) If \overline{WA} is tangent to the circle at point W and $m\widehat{WVX} = 268^\circ$, find $m\angle AWX$



28) If $m\angle AEC = 110^\circ$ and $m\widehat{AC} = 75^\circ$, find $m\widehat{BD}$.



29) If $m\widehat{PN} = (x^2)^\circ$, $m\widehat{QR} = (11x)^\circ$ and $m\angle PTN = (9x + 4)^\circ$, find the value of x.



30) Given: Quadrilateral ABCD is inscribed in Circle O. Prove: $\angle B \cong \angle ADE$

