

Homework

p. 489: 3, 6, 9, 15, 20

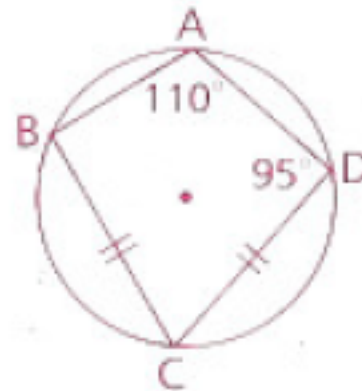
3 Given: $\angle A = 110^\circ$, $\overline{BC} \cong \overline{CD}$, $\angle D = 95^\circ$

Find: **a** $\angle C$

c $\angle B$

b \widehat{BC}

d \widehat{AB}



6 Given: PQRST is a regular pentagon.
ABCDEF is a regular hexagon.

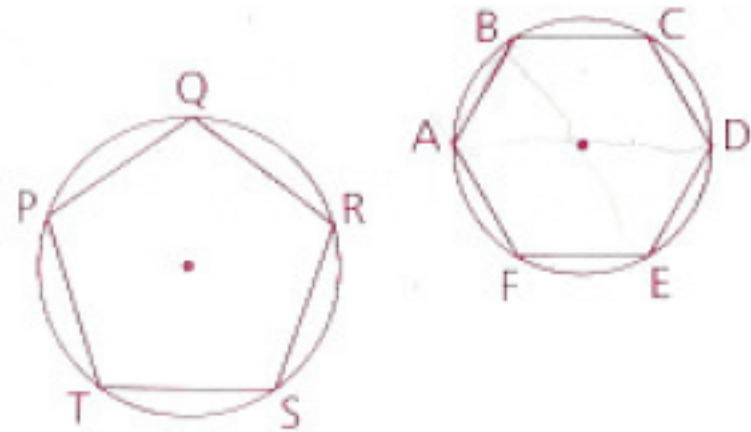
Find: **a** $m\widehat{PQ}$

d $m\widehat{BD}$

b $m\widehat{RT}$

e $m\widehat{DEA}$

c $m\widehat{AB}$



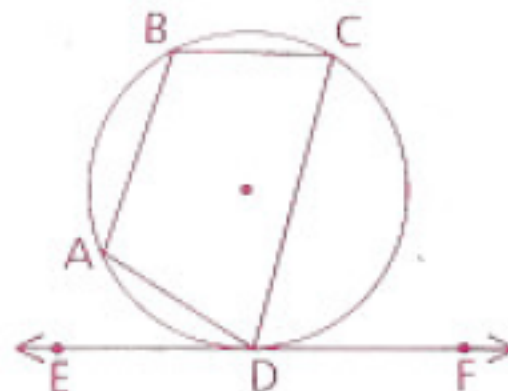
9 Given: $\angle B = 115^\circ$, $\widehat{AD} = 60^\circ$, $\overline{BC} \parallel \overline{EF}$

Find: **a** $\angle ADC$

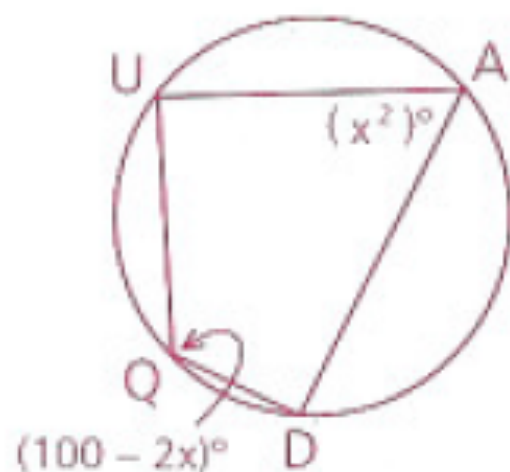
c $\angle C$

b $\angle CDF$

d $\angle A$



15 Given the figure shown, find $m\angle Q$.



20 $ABCD$ is a kite, with $\overline{AB} \cong \overline{BC}$, $\overline{AD} \cong \overline{CD}$, and $m\angle B = 120$. The radius of the circle is 3. Find the perimeter of $ABCD$.

