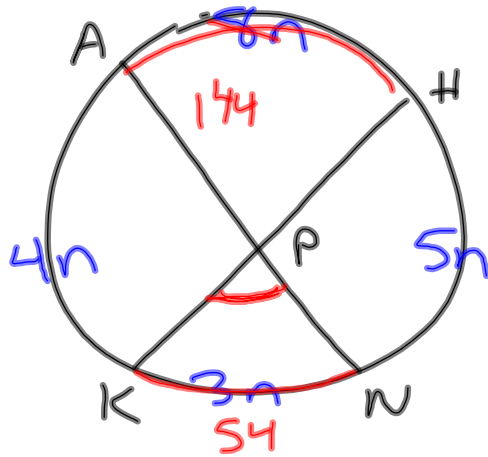


3-21-14  
5<sup>th</sup> Geo

Review

①



$\widehat{AK} = 4n$

$\widehat{NK} = 3n$

$\widehat{HN} = 5n$

$\widehat{AH} = 8n$

$4n + 3n + 5n + 8n = 360^\circ \quad \angle KPN = ?$

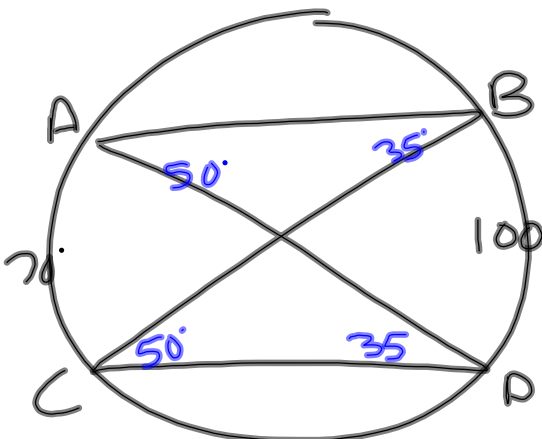
$20n = 360$

$n = 18$

$\angle KPN = \frac{1}{2} (54 + 144)$

$\frac{1}{2} 198$

99

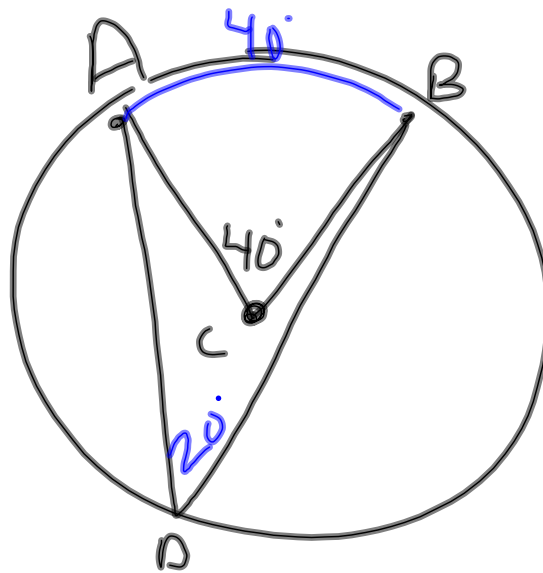
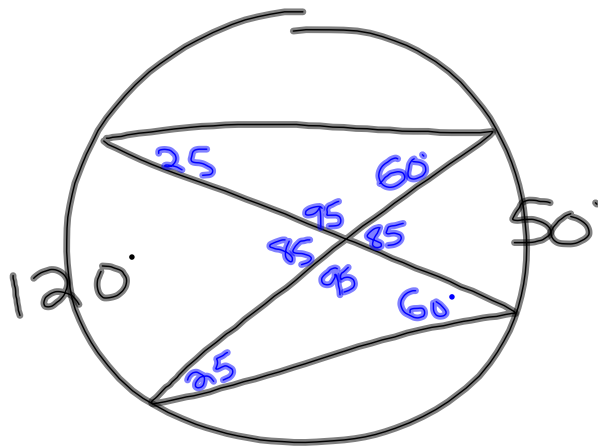


$\widehat{BD} = 100$

$\widehat{AC} = 70$

$\angle BAD = 2x$

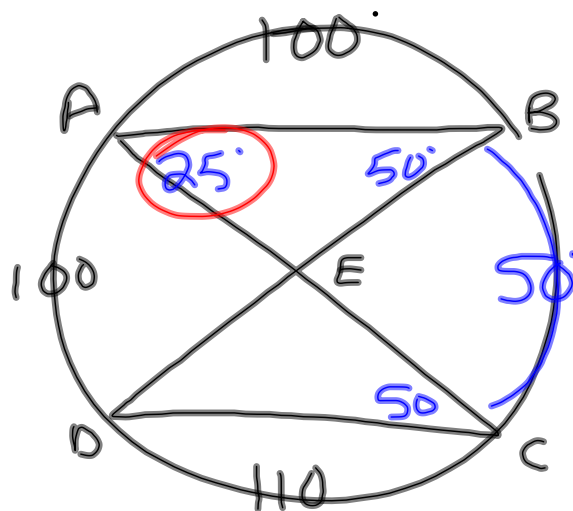
$\angle ADC = ? 35$



$\odot C$

$\angle ACB = 40^\circ$

$\angle ADB = ?$

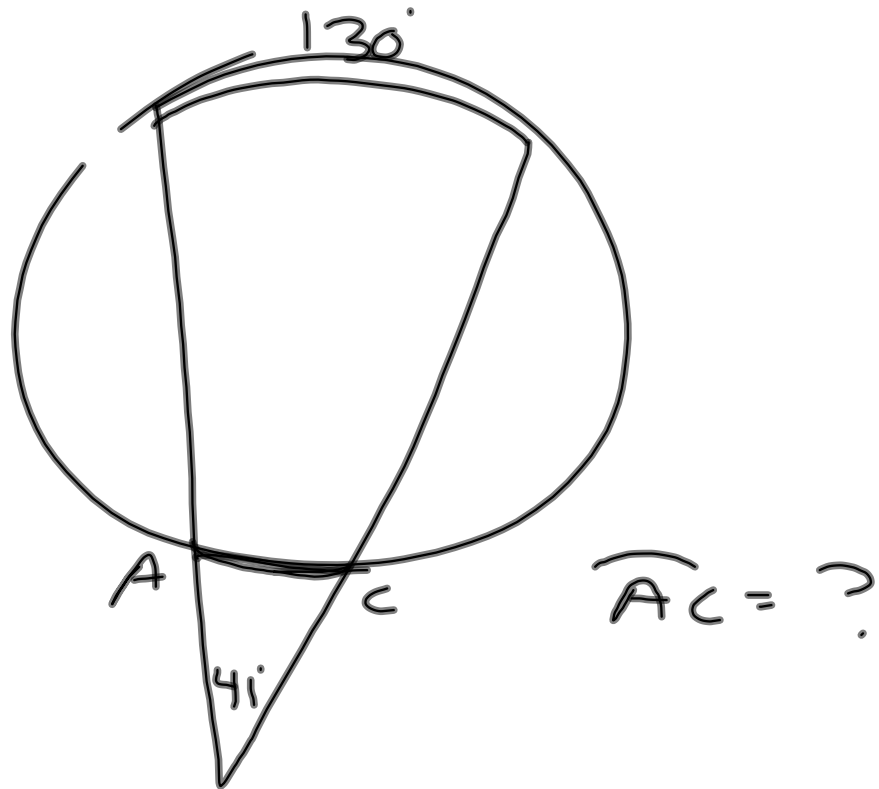


$\widehat{AB} = 100^\circ$

$\widehat{AD} = 100^\circ$

$\widehat{DC} = 110^\circ$

$\angle BAC = ?$



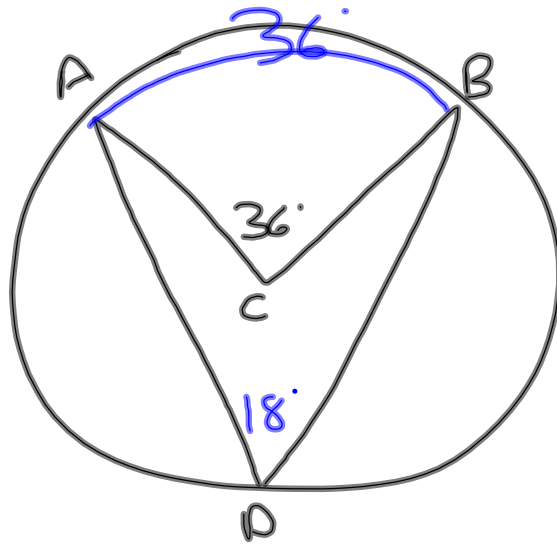
$$2 \cdot 4i = \frac{1}{2} (130 - \widehat{AC})$$

$$\begin{array}{r} 82 = 130 - \widehat{AC} \\ -130 \quad -130 \\ \hline \end{array}$$

$$-48 = -\widehat{AC}$$

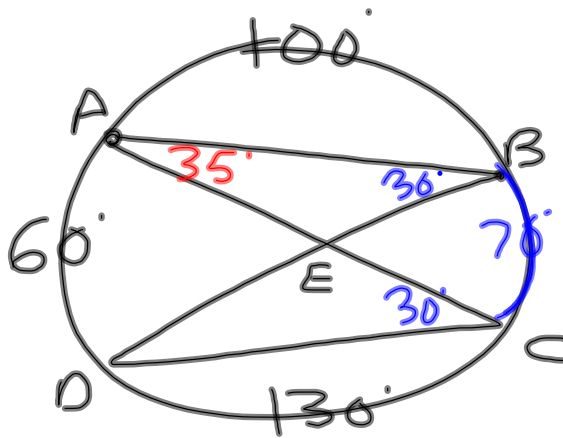
$$\widehat{AC} = 48$$

3-21-14  
6<sup>th</sup> Geo



$\odot C$

$\angle ACB = 36^\circ$   
 $\angle ADB = ?$

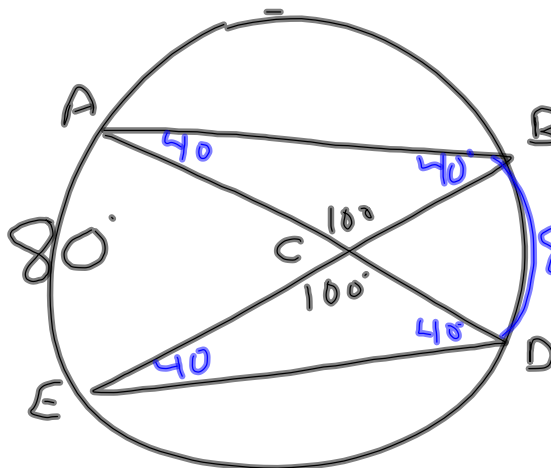


$\widehat{AB} = 100^\circ$

$\widehat{AD} = 60^\circ$

$\widehat{DC} = 130^\circ$

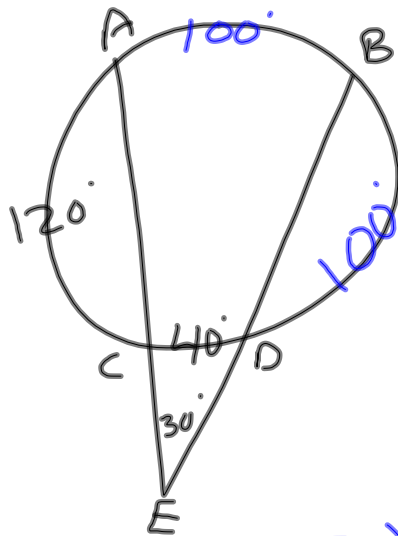
$\angle BAC = ?$



$\widehat{AE} = 80^\circ$

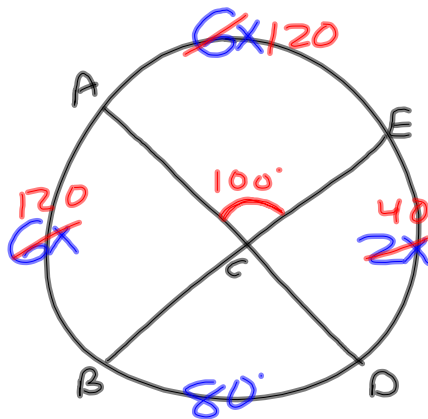
$\angle ECD = 100^\circ$

$\widehat{BD} = ?$



$$\begin{aligned} \widehat{AC} &= 120^\circ \\ \widehat{CD} &= 40^\circ \\ \angle E &= 30^\circ \\ \widehat{BD} &= ? \end{aligned}$$

$$\begin{aligned} \angle E &= \frac{1}{2} (\widehat{AB} - \widehat{CD}) \\ 2 \cdot 30 &= \frac{1}{2} (\widehat{AB} - 40) \\ 60 &= \widehat{AB} - 40 \\ \widehat{AB} &= 100 \end{aligned}$$



$$\begin{aligned} \widehat{AE} &= 6x \\ \widehat{AB} &= 6x \\ \widehat{ED} &= 2x \\ \widehat{BD} &= 80^\circ \\ \angle ACE &= ? \end{aligned}$$

$$\begin{aligned} 6x + 6x + 2x + 80 &= 360^\circ \\ 14x + 80 &= 360 \\ -80 \quad -80 & \\ \hline 14x &= 280 \\ x &= 20 \end{aligned}$$

$$\begin{aligned} \frac{1}{2} (120 + 80) \\ 100^\circ \end{aligned}$$