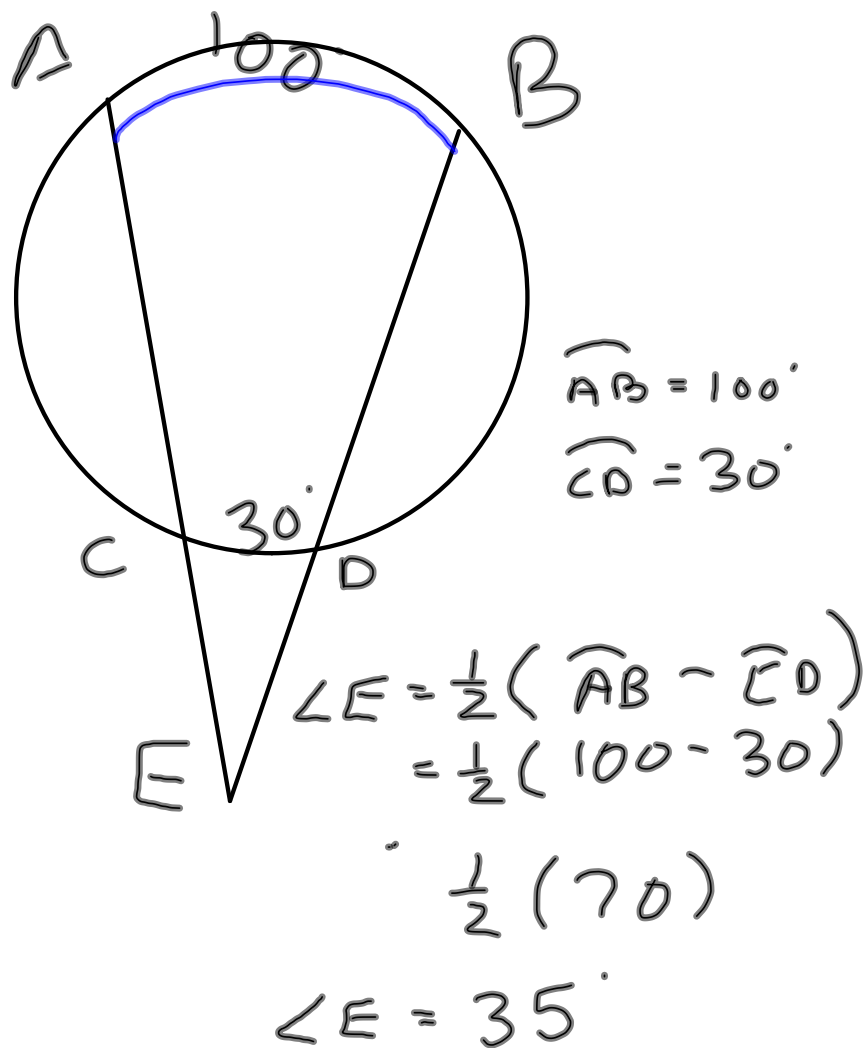
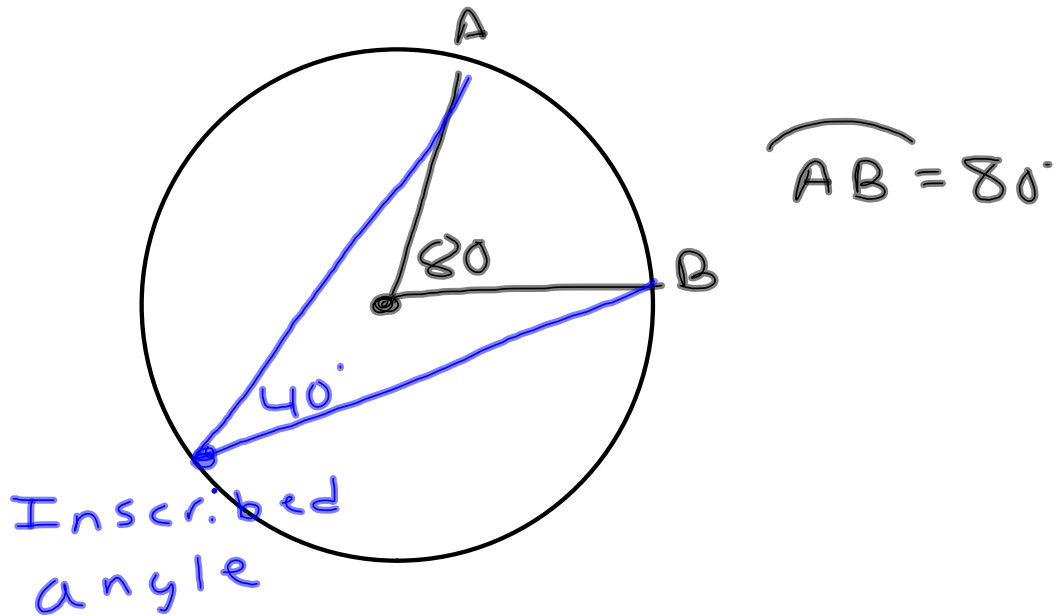
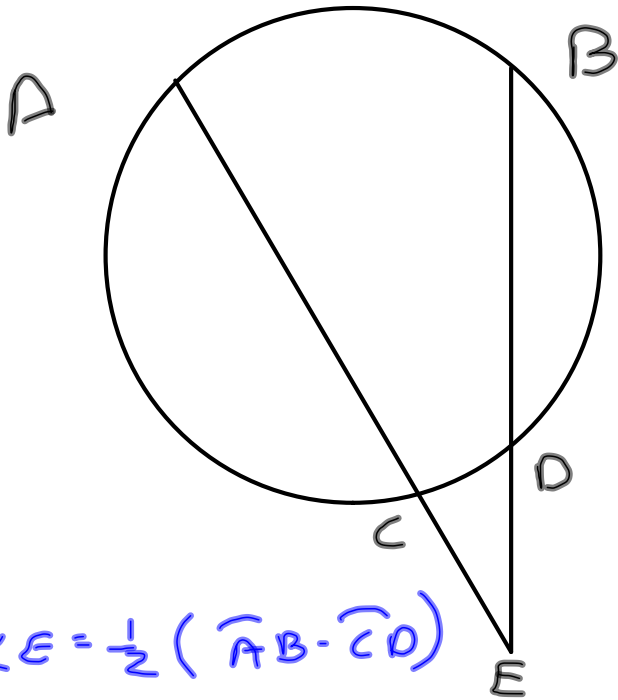


3-31-14



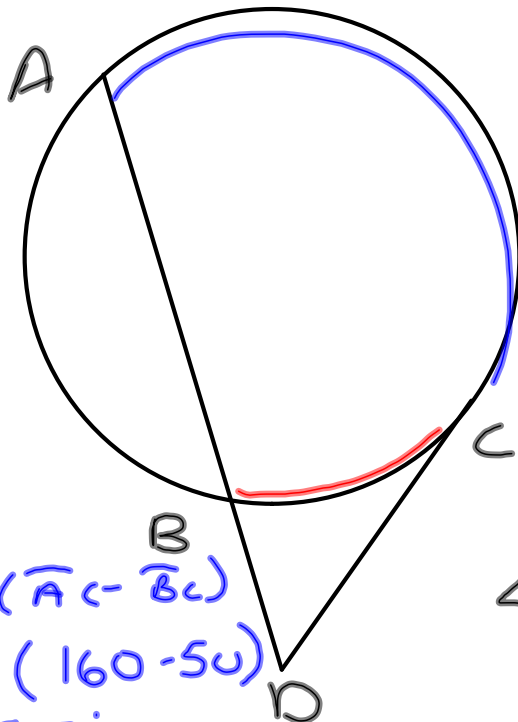


$$\widehat{AB} = 90^\circ$$

$$\widehat{CD} = 10^\circ$$

$$\angle E = ?$$

$$\begin{aligned} \angle E &= \frac{1}{2} (\widehat{AB} - \widehat{CD}) \\ &= \frac{1}{2} (90 - 10) \\ &= \frac{1}{2} (80) \\ &= 40^\circ \end{aligned}$$

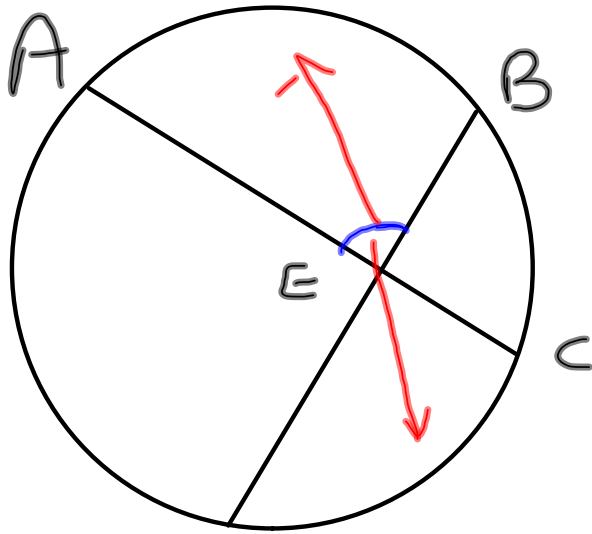


$$\widehat{AC} = 160^\circ$$

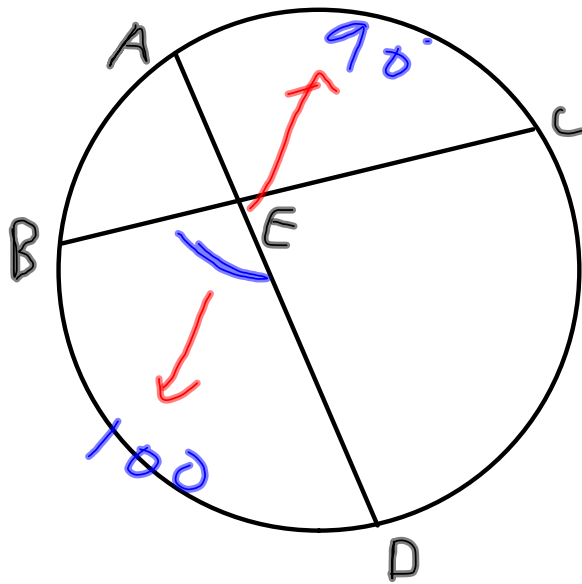
$$\widehat{BC} = 50^\circ$$

$$\angle D = ?$$

$$\begin{aligned} \angle D &= \frac{1}{2} (\widehat{AC} - \widehat{BC}) \\ &= \frac{1}{2} (160 - 50) \\ &= 55^\circ \end{aligned}$$



$$\angle AEB = \frac{1}{2} (\widehat{AB} + \widehat{DC})$$



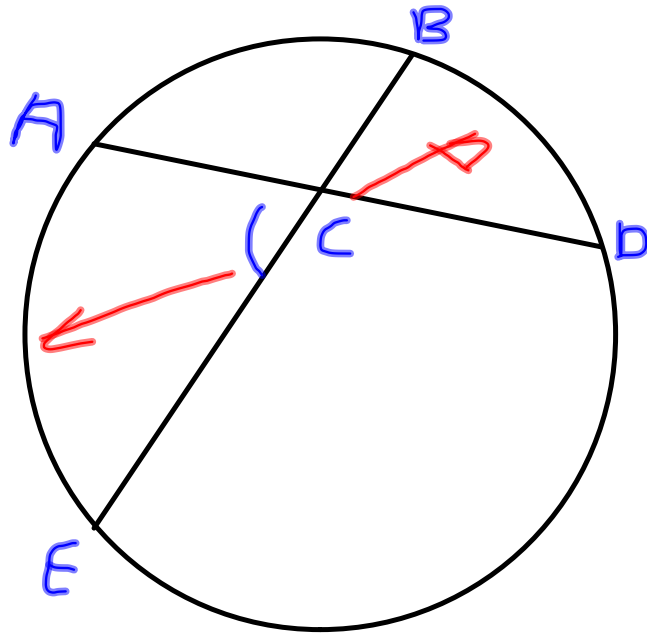
$$\begin{aligned} \angle BED &= \frac{1}{2} (\widehat{AC} + \widehat{BD}) \\ &= \frac{1}{2} (90 + 100) \\ &= \frac{1}{2} (190) \\ &= 95 \end{aligned}$$

$$\widehat{AB} = 80$$

$$\widehat{AC} = 90$$

$$\widehat{BD} = 100$$

$$\angle BED = ?$$



$$\widehat{AB} = 50^\circ$$

$$\widehat{BD} = 60$$

$$\widehat{AE} = 100$$

$$\angle ACE = \frac{1}{2} (\widehat{AE} + \widehat{BD}) \quad \angle ACE = ?$$

$$= \frac{1}{2} (100 + 60)$$

$$= 80^\circ$$