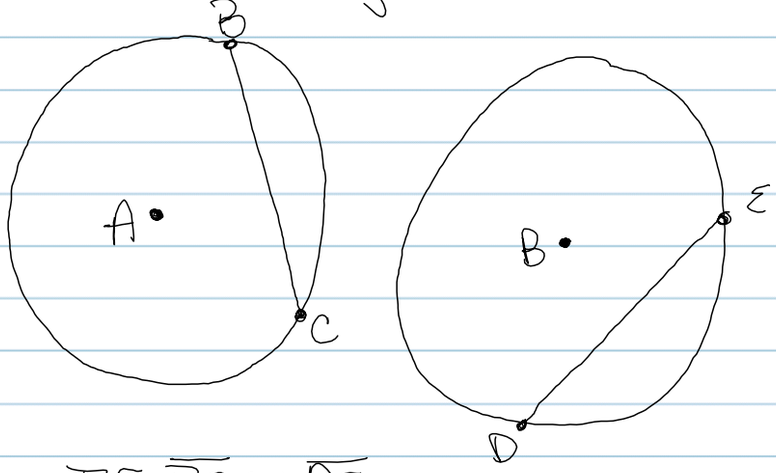
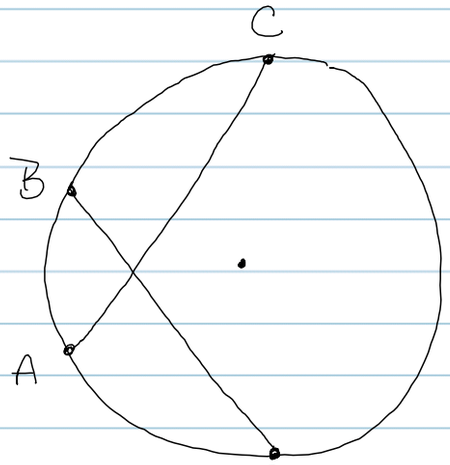
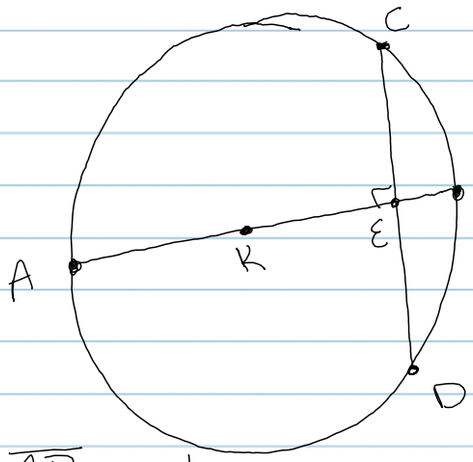
AH Geometry



If $\overline{BC} \cong \overline{DE}$
then
$\overset{\frown}{BC} \cong \overset{\frown}{DE}$

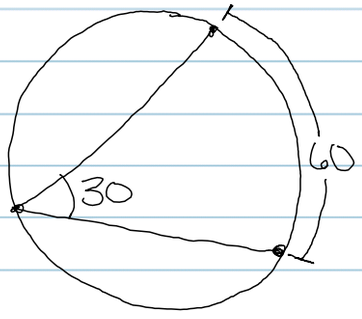


If $\overline{AC} \cong \overline{BD}$ then
$\overset{\frown}{ABC} \cong \overset{\frown}{DAB}$

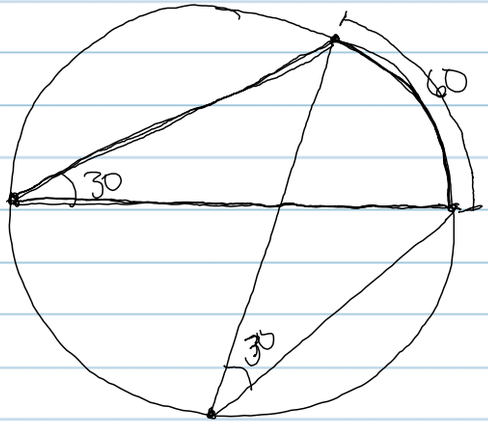


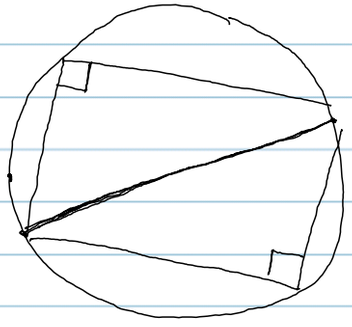
$\overline{CE} \cong \overline{ED}$
$\overset{\frown}{CB} \cong \overset{\frown}{BD}$

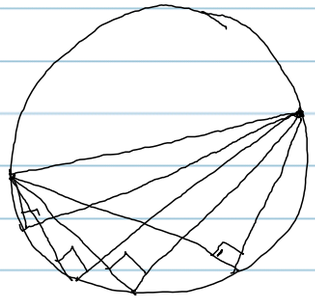
$\overline{AB}$ is diameter & bisects $\overline{CD}$ & $\overset{\frown}{CBD}$
$\overline{KA}$ & $\overline{KB}$ are radii
$\overline{CD}$ is a chord

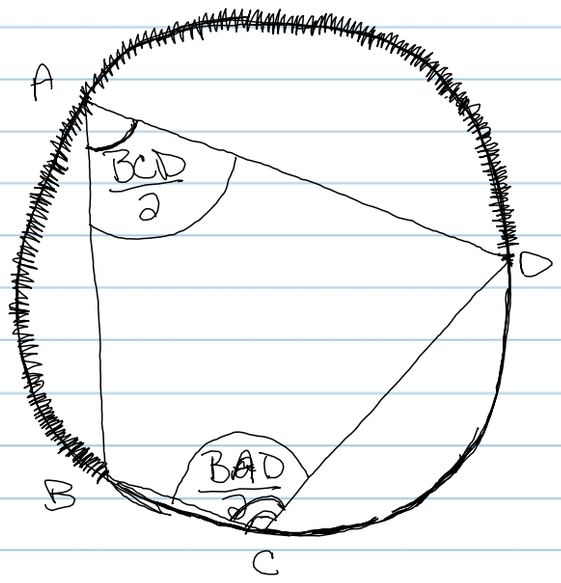


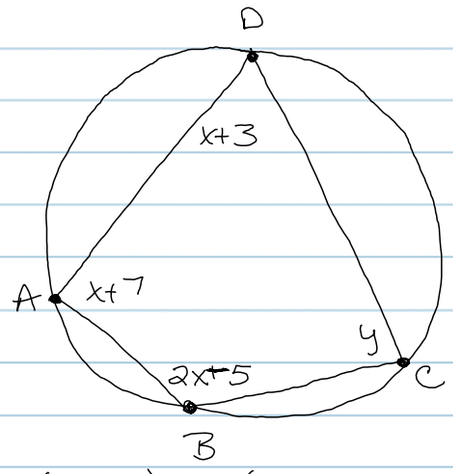
- insc. $\angle$ is $\frac{1}{2}$ mArc
- the arc is twice the angle











$2(x+3)+2(2x-5)=360$

$x+3+2x-5=180$