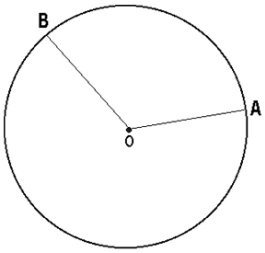
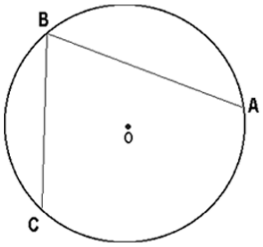
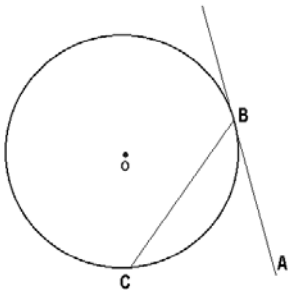
ÁNGULOS EN LA CIRCUNFERENCIA

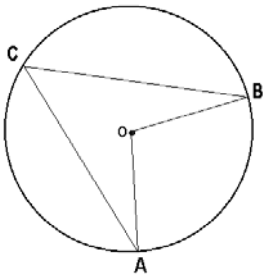
1.- Escribe el nombre de los ángulos en cada una de las siguientes circunferencias:

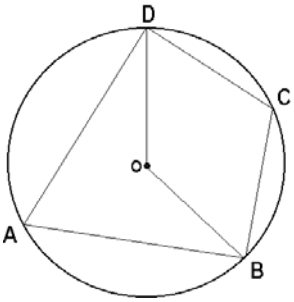


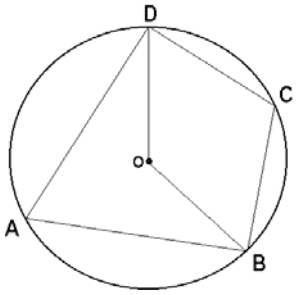




∡ AOB =_____ ∡ ABC = _____ ∡ ABC = _____

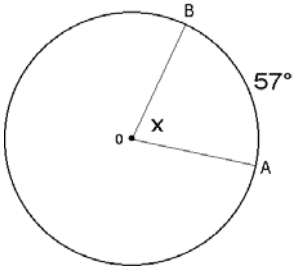


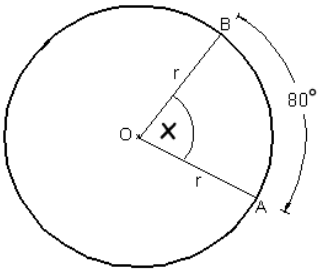


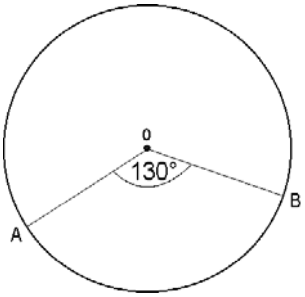


∡ AOB = _____ ∡ DAB = _____ ∡ BOD = _____
∡ BCA = _____ ∡ BCD = _____ ∡ CDA = _____

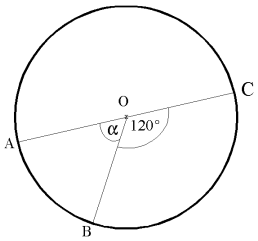
2.- Calcula la medida del ángulo o arco indicados:

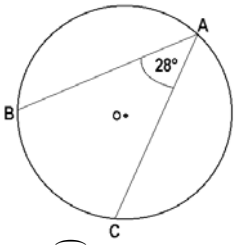


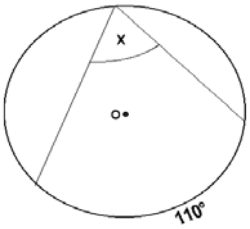




∡ x = ... ∡ x = …….. $\overset{\frown}{AB}$ = ……





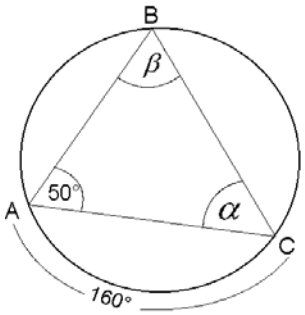


∡ α = …… $\overset{\frown}{BC}$ =…… ∡ x = ……..

$\overset{\frown}{AB}$ =……..

$\overset{\frown}{BC}$ =……..

$\overset{\frown}{AC}$ =…….

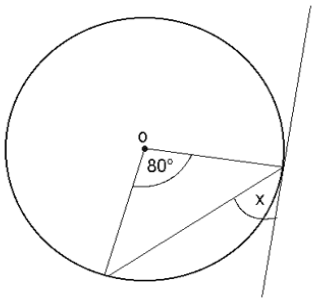


∡ α = ……

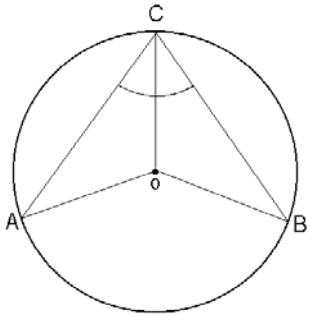
∡ β = ……

$\overset{\frown}{AC}$ = …….

$\overset{\frown}{AB}$ =……..

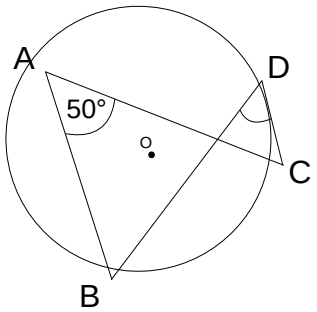


∡ x = ……

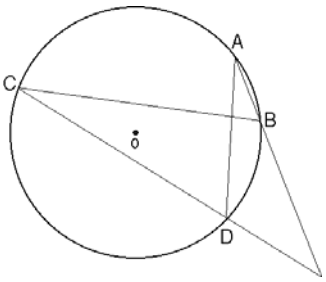


En la figura, ∡ ACO = 30° y ∡ OCB = 40°. ¿Cuánto mide el ángulo central AOB?

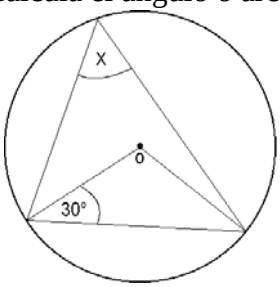
3.- ¿Cuánto mide el ángulo BDC?



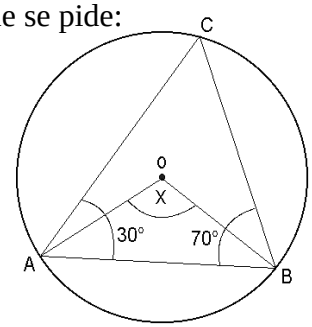
4.- En la circunferencia, ∡ BCD = 20°. ¿Cuánto mide ∡ BAD?



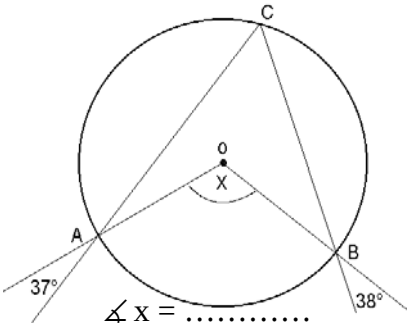
5.- Calcula el ángulo o arco que se pide:



∡ x = …….

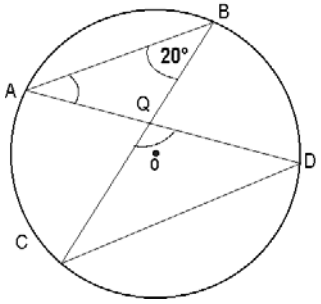


∡ x = ……

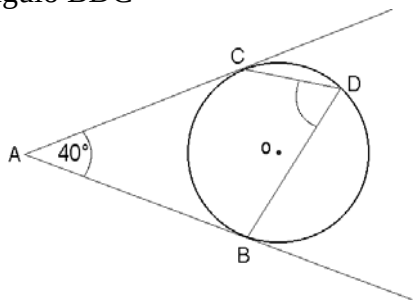


∡ x = ……

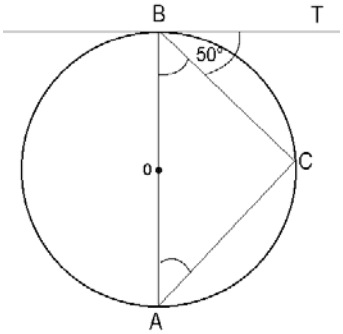
6.- Si AB y CD son cuerdas paralelas, calcula ∡DAB y ∡CQD:



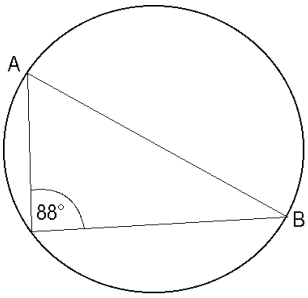
7.- Calcula la medida del ángulo BDC



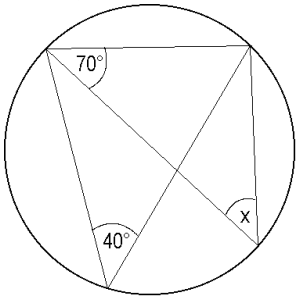
8.- Si BT es tangente a la circunferencia de centro O, ¿cuánto miden ∡BAC y ∡ACB?

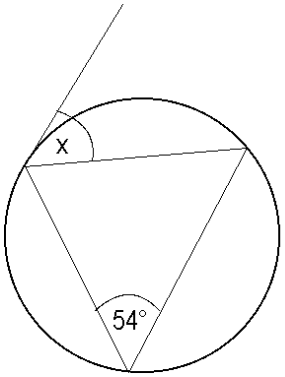


9.- En la siguiente figura, ¿podría ser que AB pasara por el centro de la circunferencia? ¿Por qué sí, o por qué no?

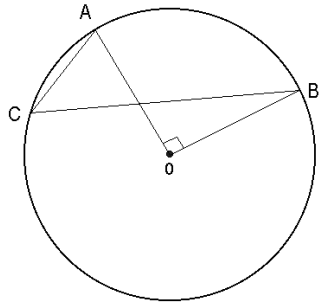


10.- Calcula ∡x:

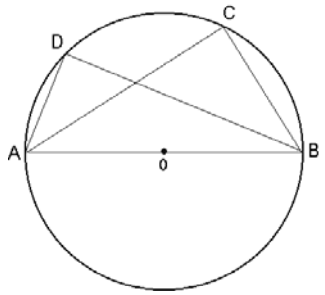
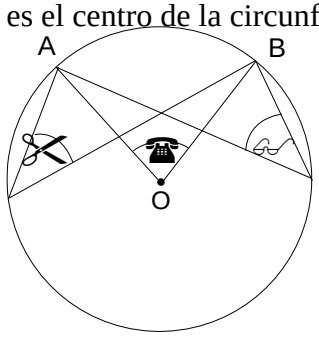




11.- ¿Cuánto mide ∡BCA si O es el centro de la circunferencia y ∡AOB es recto?



12.- Calcula: ∡ADB y ∡BCA



13.- Si ∡ α + ∡ β = 32° y O es el centro de la circunferencia de la figura, calcula γ.