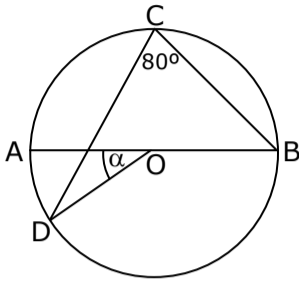


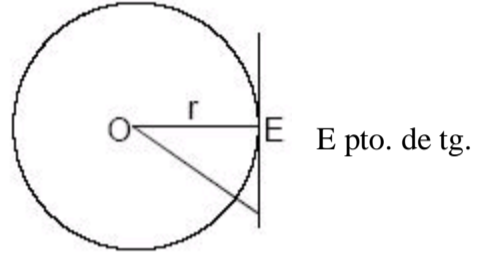
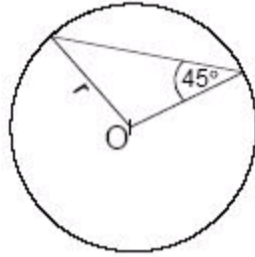
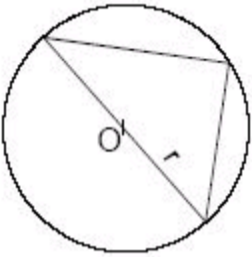


GUIA DE CIRCUNFERENCIA

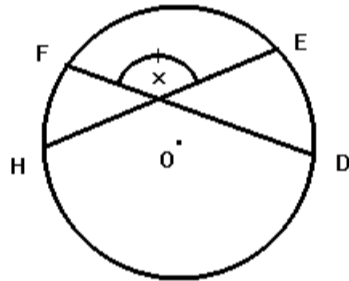
1) En la figura, \overline{AB} es diámetro y O centro de la circunferencia, ¿cuánto mide el α ?



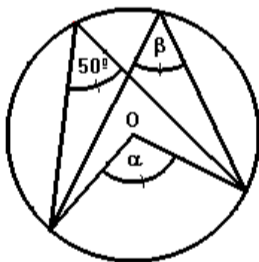
2) Se han dibujado tres circunferencias congruentes de radio r y centro O. ¿En cuál(es) de los siguientes dibujos el triángulo es rectángulo?



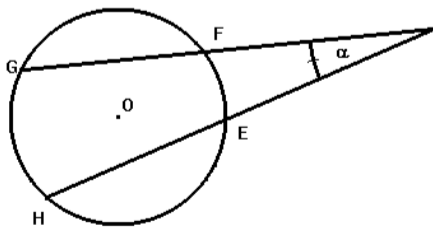
3) En la figura, arco DE = 39° , arco FH = 45° , $x = ?$



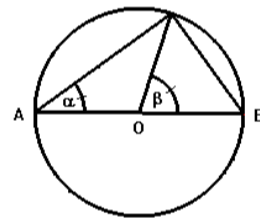
4) En la figura el valor de los ángulos α, β son:



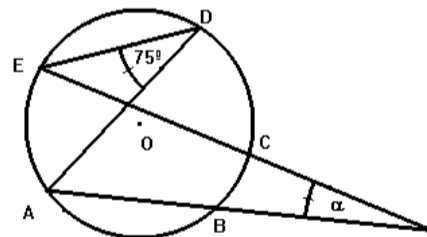
5) En la figura, arco GH = 146° ; arco EF = 31° ; $\alpha = ?$



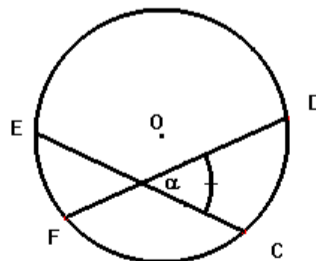
6) En la figura, AB es diámetro, si ángulo $\alpha = 23^\circ$, entonces ángulo $\beta = ?$



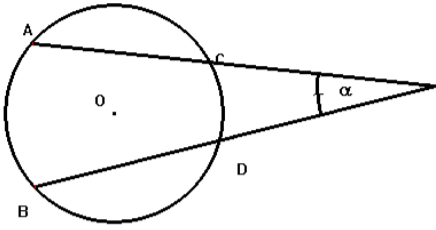
7) En la circunferencia de la figura, arco BC = 80° ; $\alpha = ?$



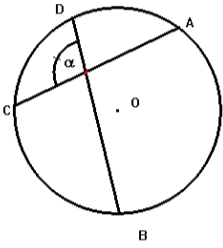
8) En la circunferencia de la figura, ángulo $\alpha = 48^\circ$, arco EF = 70° , entonces el arco CD = ?



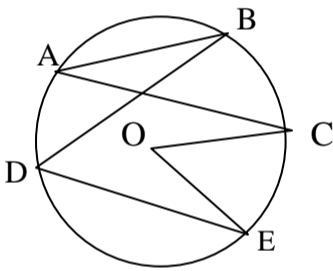
9) En la figura $\alpha = 26$ y $CD = 36$,
¿Cuánto mide el arco AB?



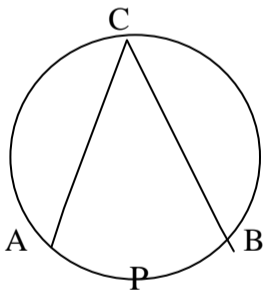
10) Si arco $AB = 130$ y arco $CD = 60$.
¿Cuánto mide el ángulo α ?



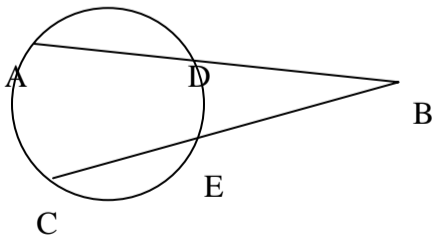
11) O centro de la circunferencia, $\sphericalangle BAC = 30^\circ$
 $\sphericalangle EOC = 40^\circ$. Calcular $\sphericalangle EDB$



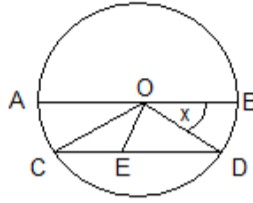
12) En la circunferencia P es punto medio de AB,
Si $\sphericalangle ACB = 30^\circ$, calcular la medida del arco AP.



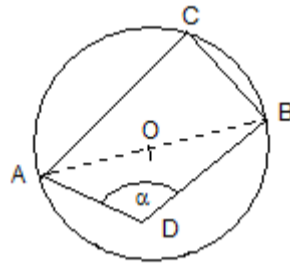
13) Si $\sphericalangle ABC = 30^\circ$ y arco $AC = 80^\circ$.
Calcular la medida del arco DE.



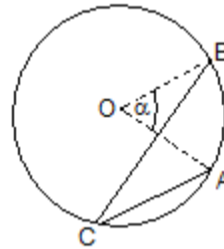
14) En la circunferencia de centro O,
 $\overline{AB} \parallel \overline{CD}$, $\sphericalangle COE = 30^\circ$ y $\sphericalangle EOD = 70^\circ$;
 $\sphericalangle DOB = ?$



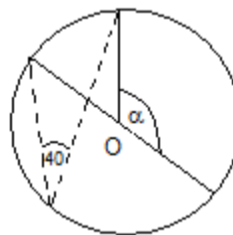
15) El valor del ángulo ACB es:



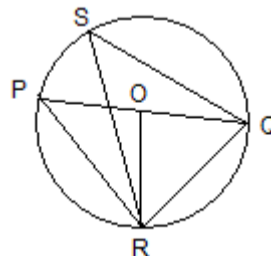
16) En la figura, $\alpha = 70^\circ$ el ángulo BCA vale:



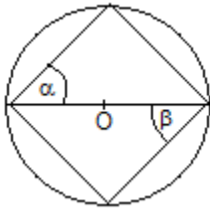
17) En la figura, el ángulo α mide:



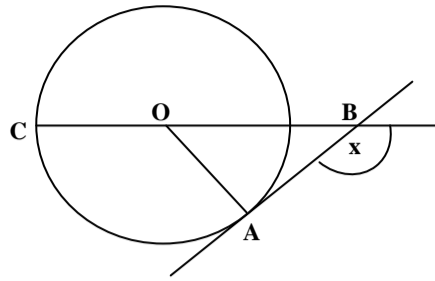
18) En la figura, si $\sphericalangle RSQ = 36^\circ$,
el valor del ángulo PQR es:



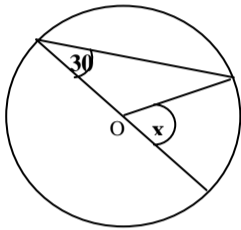
19) El valor de $\alpha + \beta$ de la figura es:



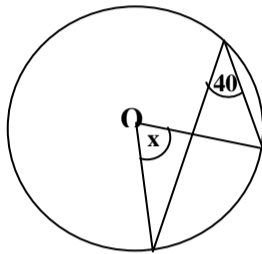
20) Recta AB tangente $\angle AOC = 110^\circ$; $x = ?$



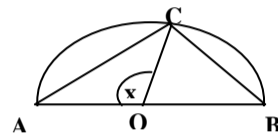
21) $x = ?$



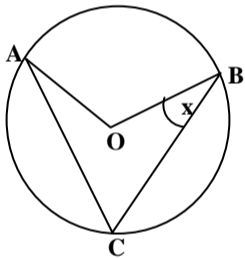
22) $x = ?$



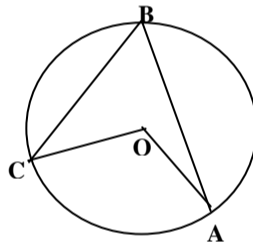
23) $\angle ABC = 60^\circ$, AB diámetro; $x = ?$



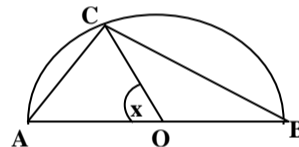
24) $\angle CAO = 20^\circ$;
 $\angle AOB = 100^\circ$;
 $x = ?$



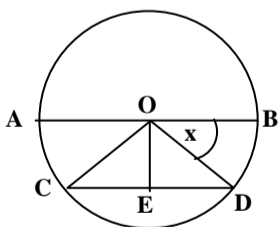
25) $\angle BOC = 140^\circ$;
 $\angle ABC = 80^\circ$;
 $\angle OAB = ?$



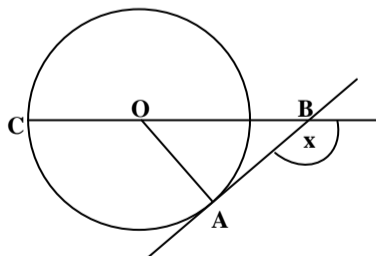
26) $\angle OCB = 55^\circ$;
 $x = ?$



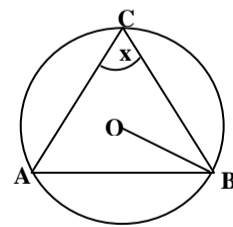
27) $AB \parallel CD$; $\angle COE = 30^\circ$;
 $\angle EOD = 70^\circ$;
 $\angle DOB = ?$



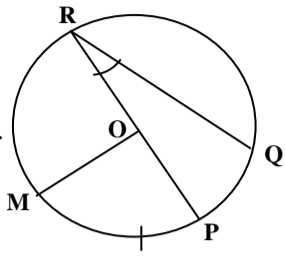
28) Recta AB tangente;
 $\angle AOC = 110^\circ$;
 $x = ?$



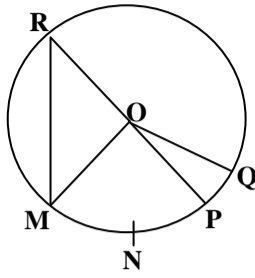
29) $\angle CAB = 50^\circ$;
 $\angle ABO = 30^\circ$;
 $x = ?$



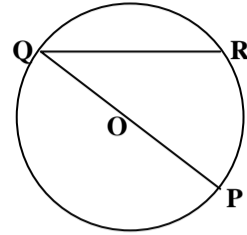
30) Los arcos MN, NP, y PQ son iguales; $\angle MOQ$,
 $\angle MOP = 100^\circ$;
 $\angle PRQ = ?$



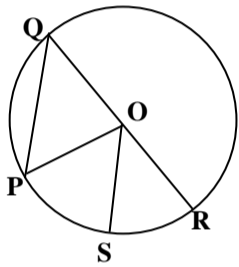
31) Los arcos MN y NP = 120° ;
 $\angle MRP = ?$



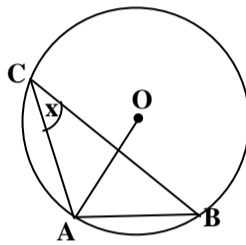
32) $\angle PQR = 34^\circ$;
 $\angle POR = ?$



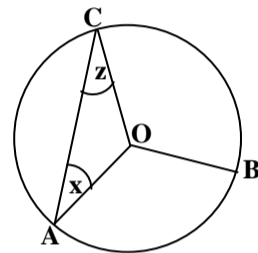
33) $OS \parallel QP$;
 $\angle PQR = 30^\circ$;
 $\angle SOP = ?$



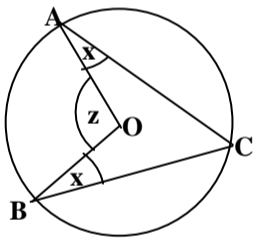
34) $OA = AB$; $x = ?$



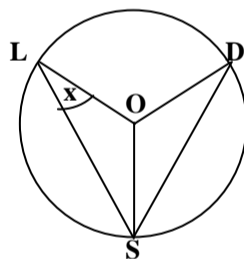
35) Los arcos AB, BC y CA son iguales
 $x + 2z = ?$



36) $z = 100^\circ$; $x + y = ?$



37) $\angle SOD = 140^\circ$;
 $\angle LSD = 80^\circ$; $x = ?$



38) $\angle MPQ = 20^\circ$; $x = ?$

