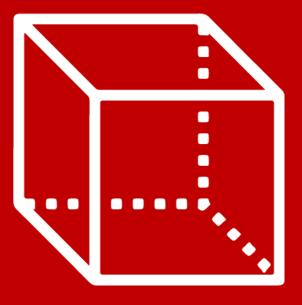
GEOMETRÍA

Retroalimentación

tomo V

2nd SECONDARY







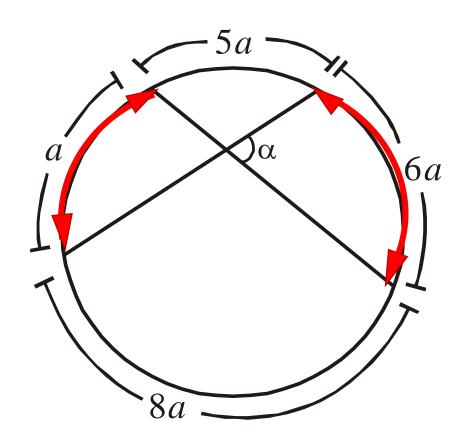
1. En la figura, halle el valor de α .

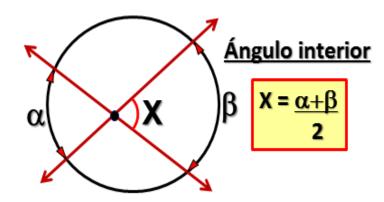
En la circunferencia

$$a + 5a + 6a + 8a = 360^{\circ}$$

$$20a = 360^{\circ}$$

$$a = 18^{\circ}$$





$$\alpha = \frac{a+6a}{2}$$

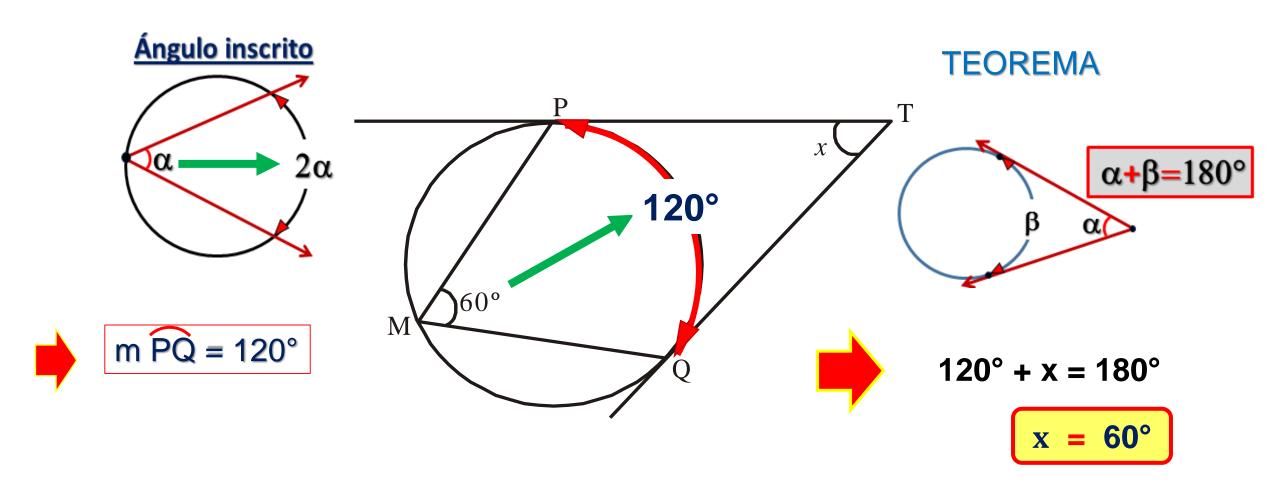
$$2\alpha = 7a$$

$$2\alpha = 7 (1/8^{\circ})^{9}$$

$$\alpha = 63^{\circ}$$

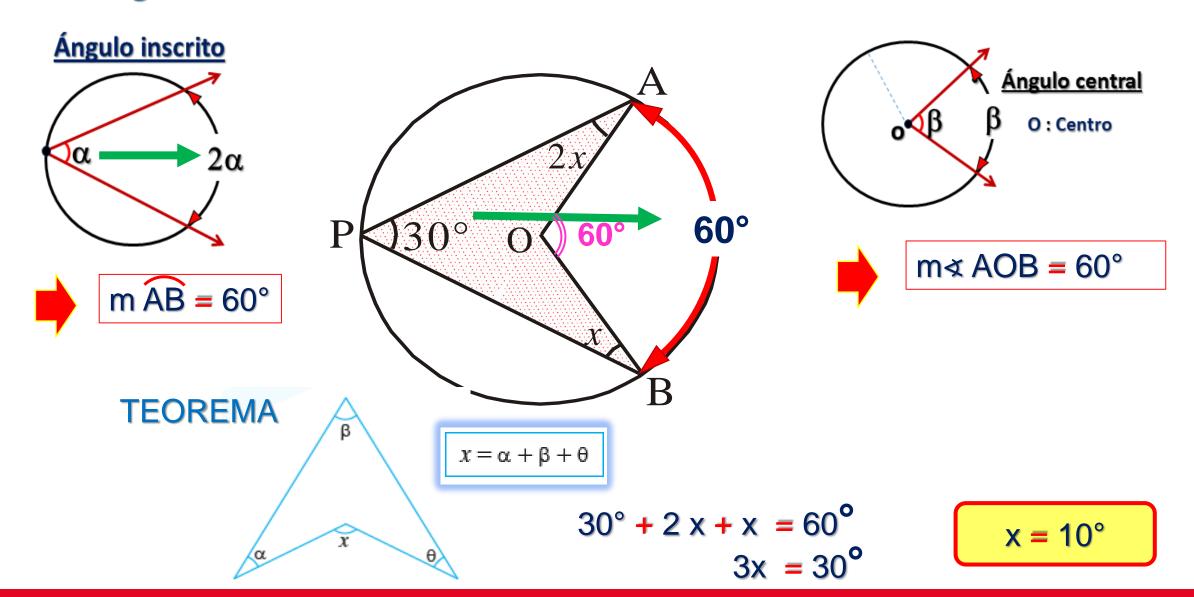


2. Si P y Q son puntos de tangencia, halle el valor de x.



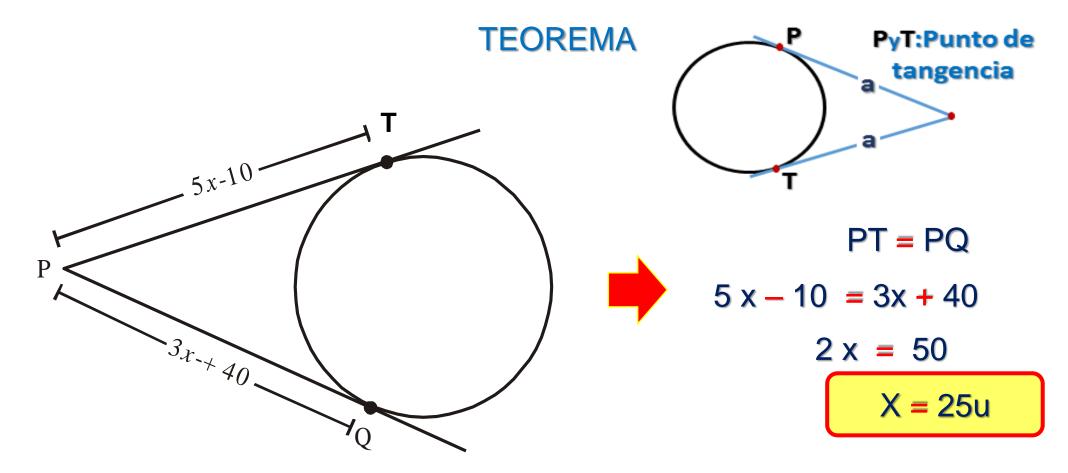


3. En la figura O es centro. Calcule x



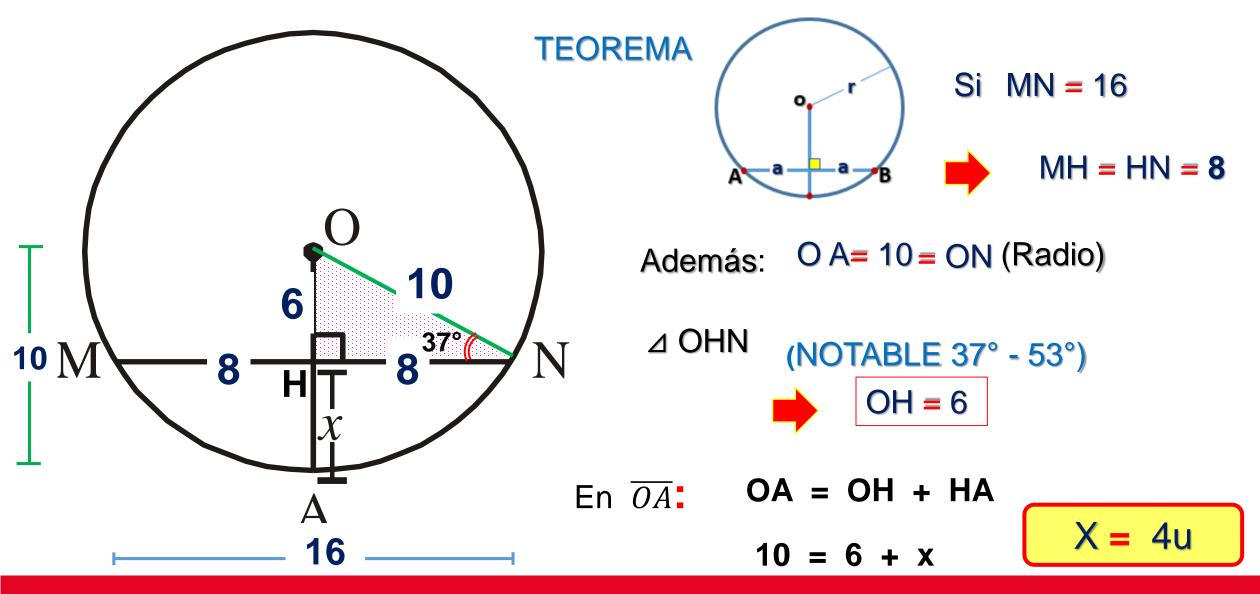


4. En el gráfico, calcular x. Si: P y Q son puntos de tangencia.



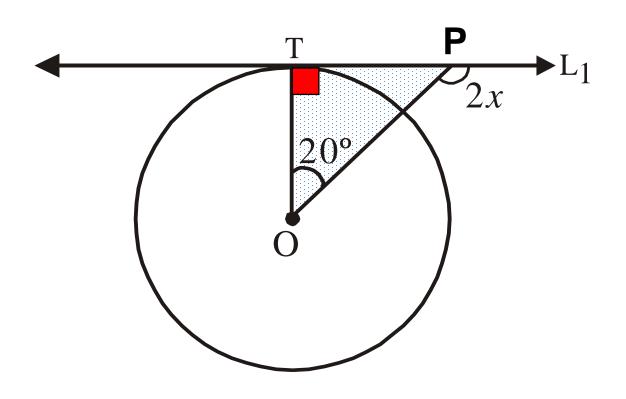


5. Calcular x, en la circunferencia de centro O. Si OA=10 y MN=16

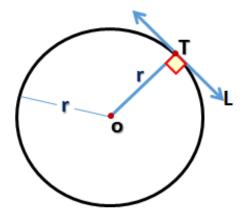




6. Si $\overrightarrow{L_1}$ es tangente a la circunferencia en T, calcular: x (O es centro).

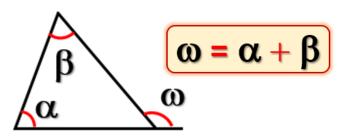


TEOREMA



En ⊿ OTP

(Ángulo externo)



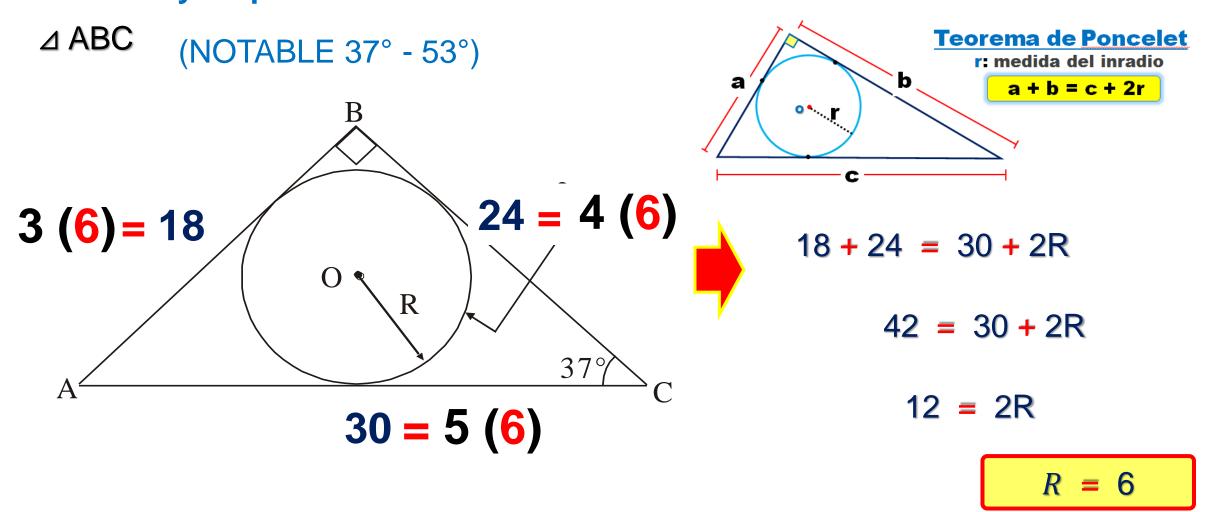
$$2 x = 90^{\circ} + 20^{\circ}$$

$$2 x = 110^{\circ}$$

$$X = 55^{\circ}$$



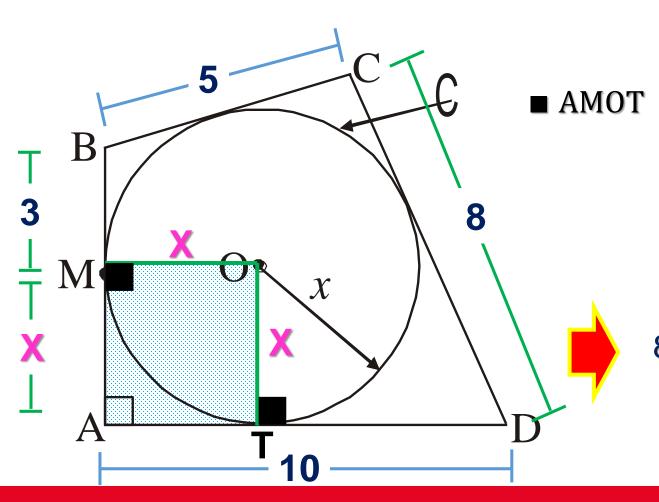
7. En la figura se tiene una circunferencia inscrita en el triángulo rectángulo ABC cuya hipotenusa mide 30. Calcule R.





B. En la figura se tiene una circunferencia inscrita en el cuadrilátero ABCD,

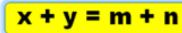
MB=3, BC=5, CD=8, AD=10. Calcule *x*



TEOREMA

(Cuadrado)





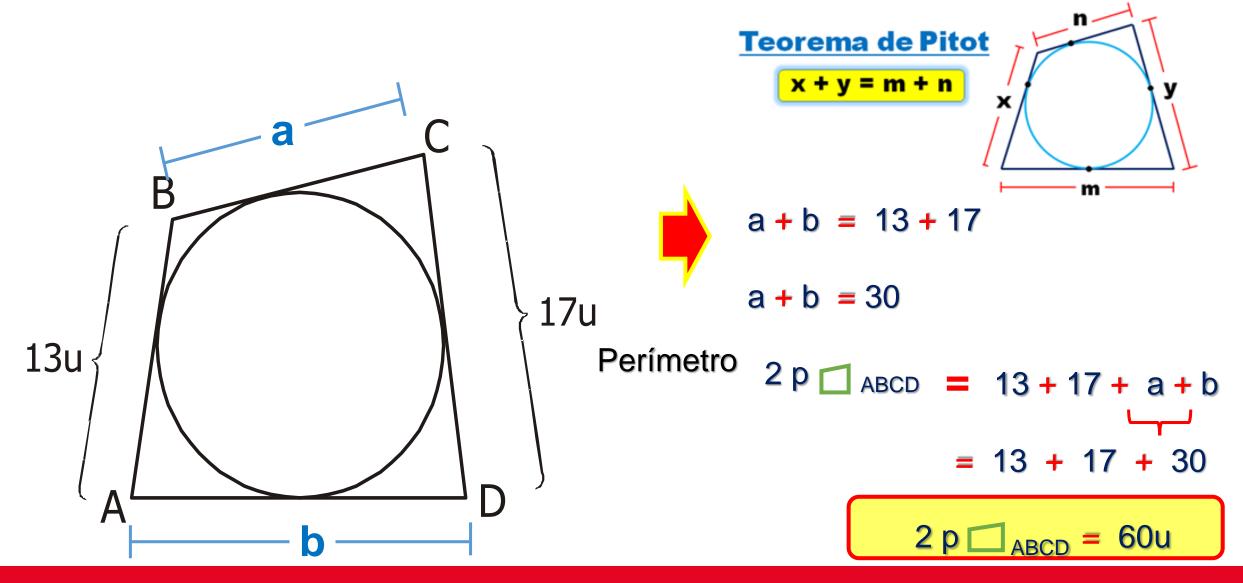


$$11 + x = 15$$





9. En la figura, calcular el perímetro del cuadrilátero ABCD.





10. Si T es punto de tangencia, halle el valor de x

