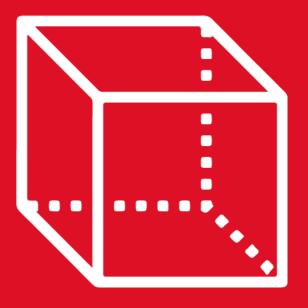
GEOMETRÍA TOMO 2



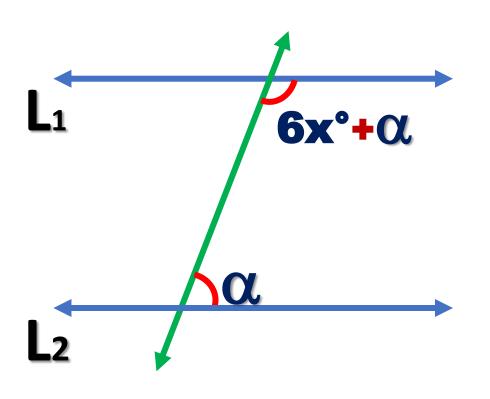
RETROALIMENTACIÓN SESION II

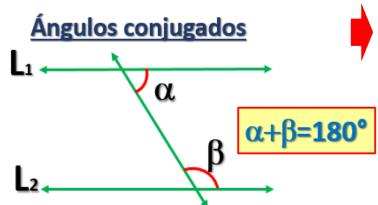






1. Si L1 // L2, halle el menor valor de x, además α < 30° Resolución





Por dato:

$$\alpha < 30^{\circ}$$

90° - 3x < 30°

60° < 3x

20° < x

$$6x + \alpha + \alpha = 180^{\circ}$$

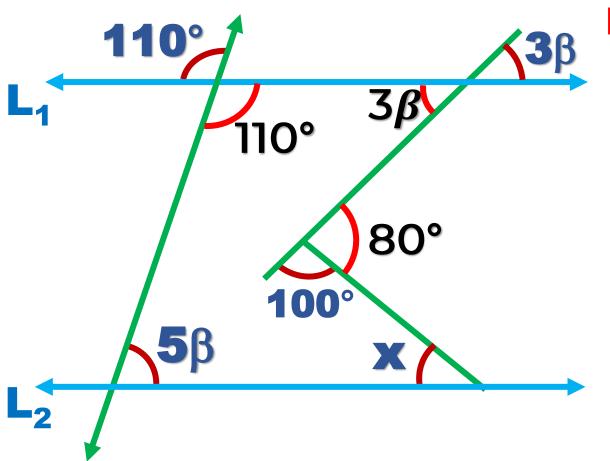
 $6x + 2\alpha = 180^{\circ}$
 $3x + \alpha = 90^{\circ}$

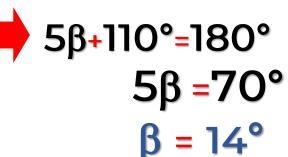
$$\alpha$$
 = 90° - 3x

$$x_{min} = 21^{\circ}$$



2. Si L1 // L2, halle el valor de x. Resolución

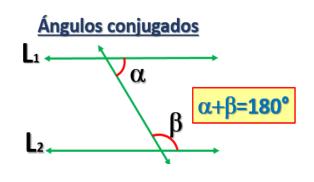


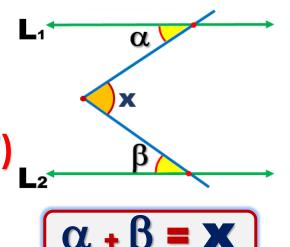


$$80^{\circ} = x + 3 \beta$$

 $80^{\circ} = x + 3(14^{\circ})$
 $80^{\circ} = x + 42^{\circ}$

$$\mathbf{x} = \mathbf{38}^{\circ}$$

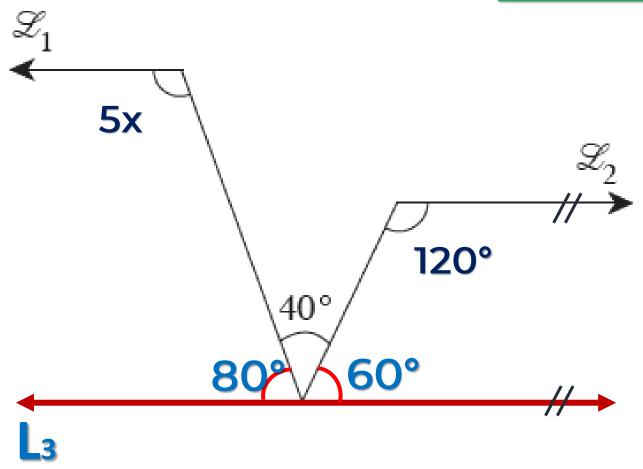


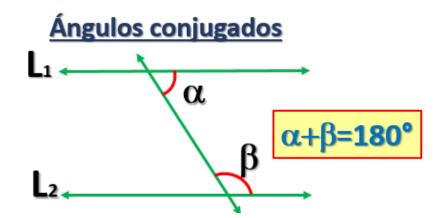




3. Si $\overrightarrow{L}1//\overrightarrow{L}2$, halle el valor de x.

Resolución

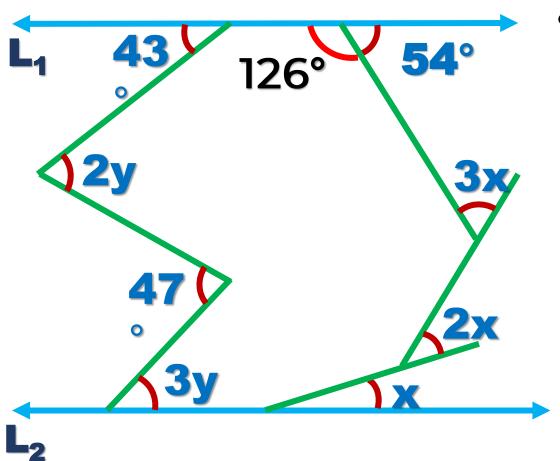


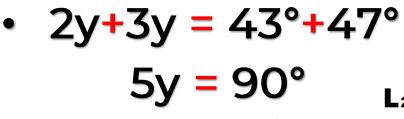


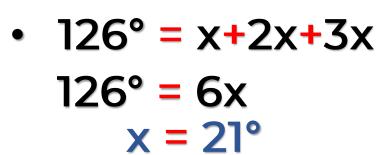
$$\mathbf{x} = \mathbf{20}^{\circ}$$



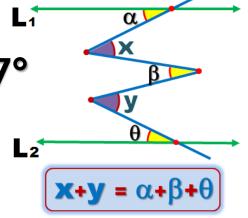
4. Si L¹// L2, calcular x + y. Resolución

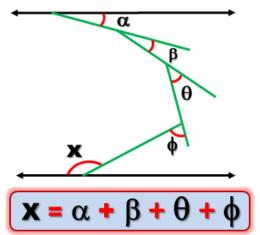






$$x + y = 39^{\circ}$$

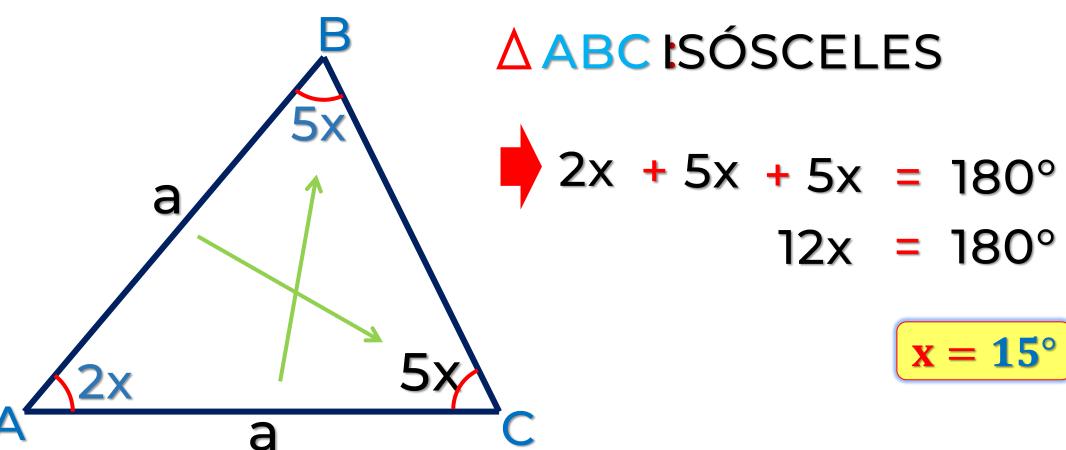






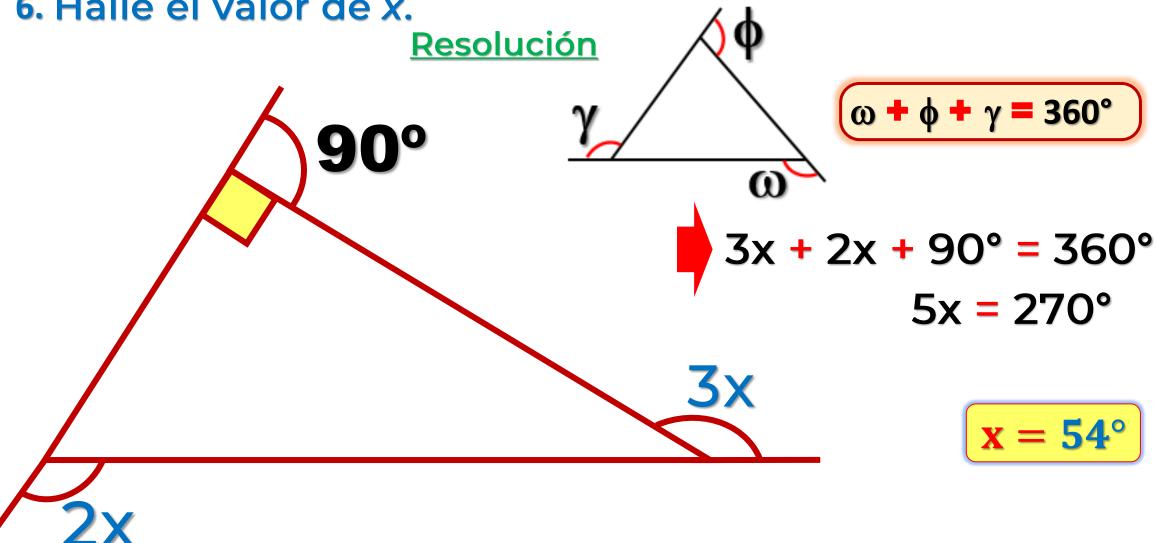
5. Halle el valor de x si AB = AC





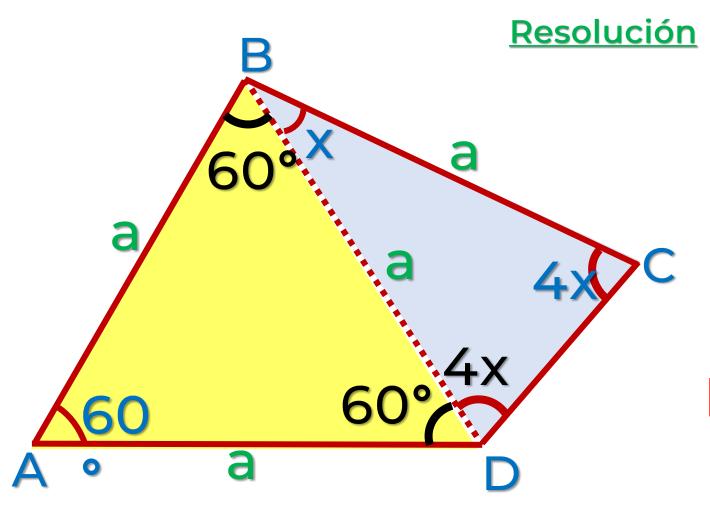


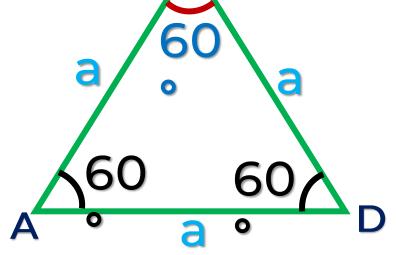
6. Halle el valor de x.





7. Halle el valor de x si AB = AD = BC.



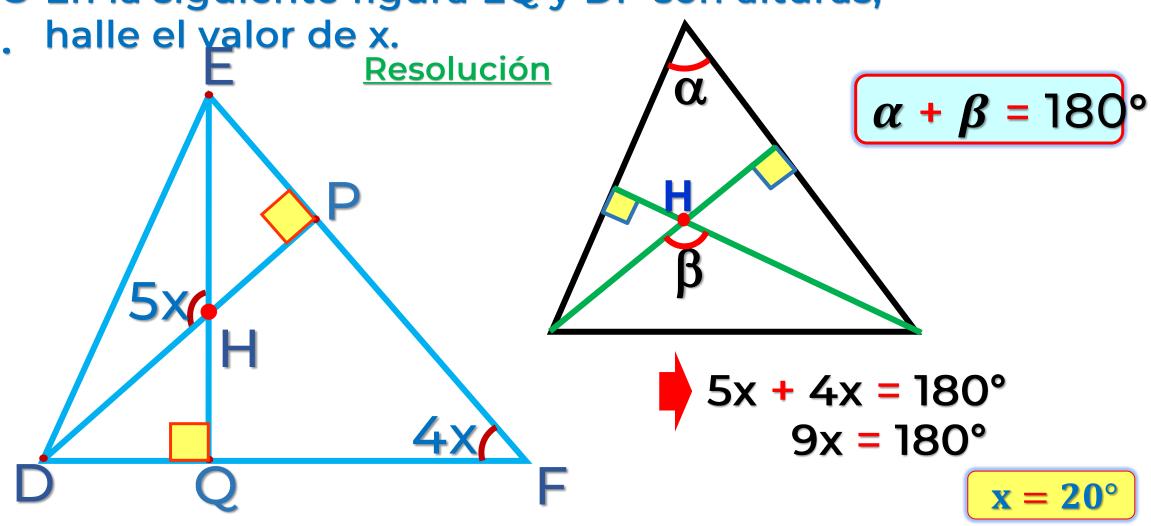


▲ ABŒQUILÁTERO▲ BCD\$ÓSCELES

$$x = 20^{\circ}$$

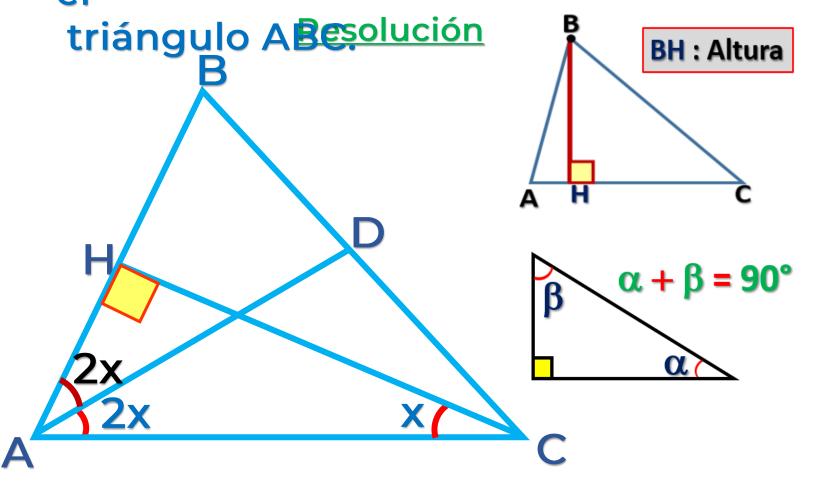


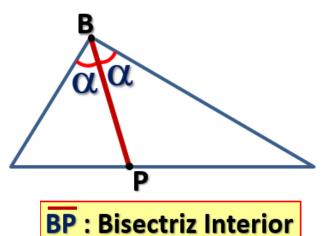
8 En la siguiente figura EQ y DP son alturas,

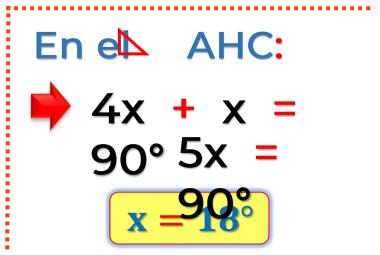




9. Halle el valor de x, si CH es altura y AD es bisectriz interior el









10. En un triángulo ABC, las bisectrices exteriores de los ángulos A y C,

Resolacióintersecan en E. Si r

el valor de x.



$$x = 90^{\circ} - \underline{\theta}$$

$$x = 90^{\circ}/-2x$$
 $2x = 90^{\circ}/2$

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

$$x = 45^{\circ}$$