

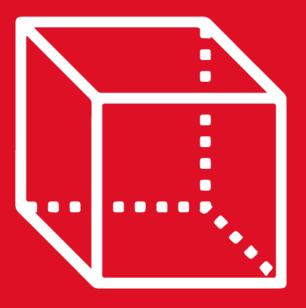
# GEOMETRÍA Capítulo 6 Sesión 1



LÍNEAS NOTABLES

ASOCIADAS AL

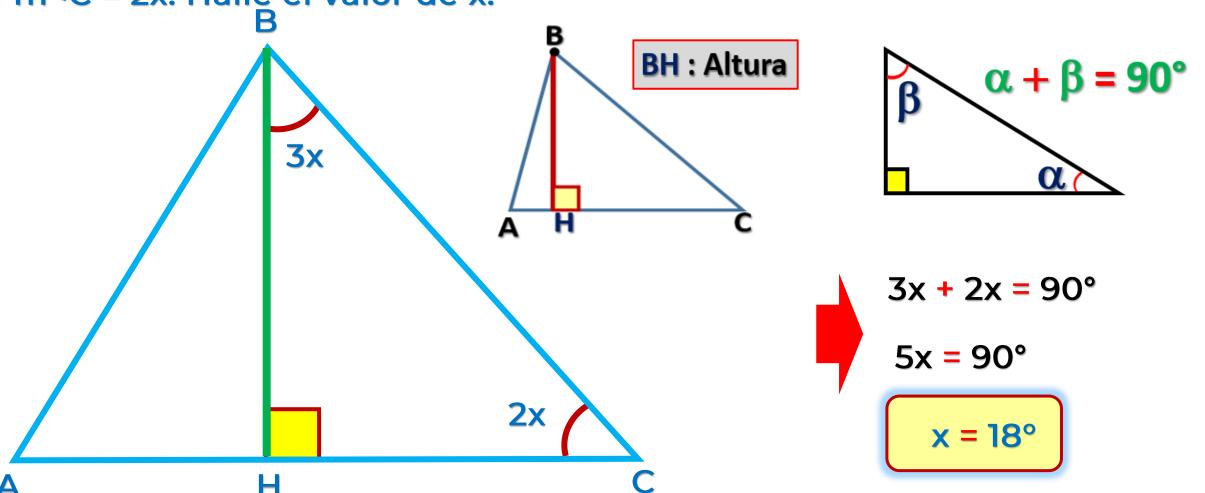
TRIÁNGULO







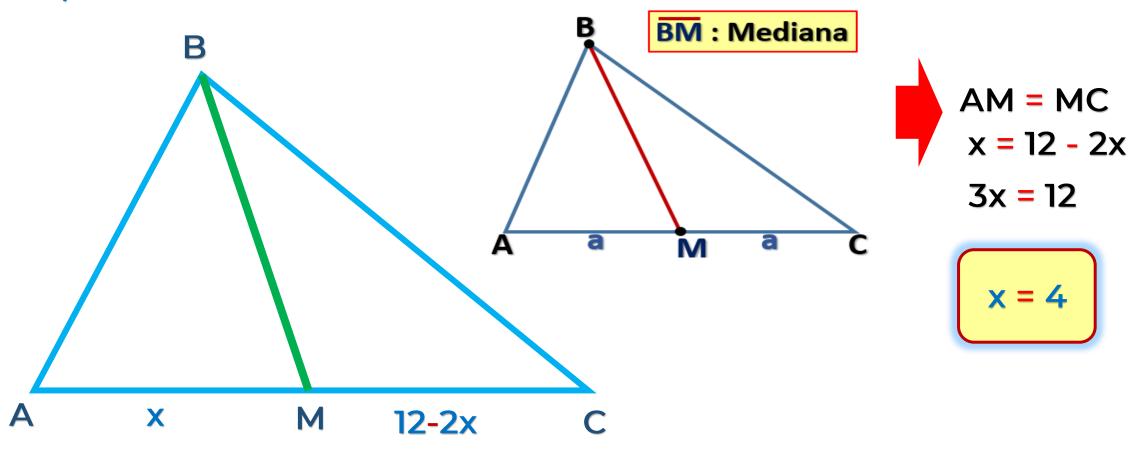
Se tiene un triángulo ABC, donde se traza la altura BH y la m<HBC = 3x, m<C = 2x. Halle el valor de x.



#### **0**1

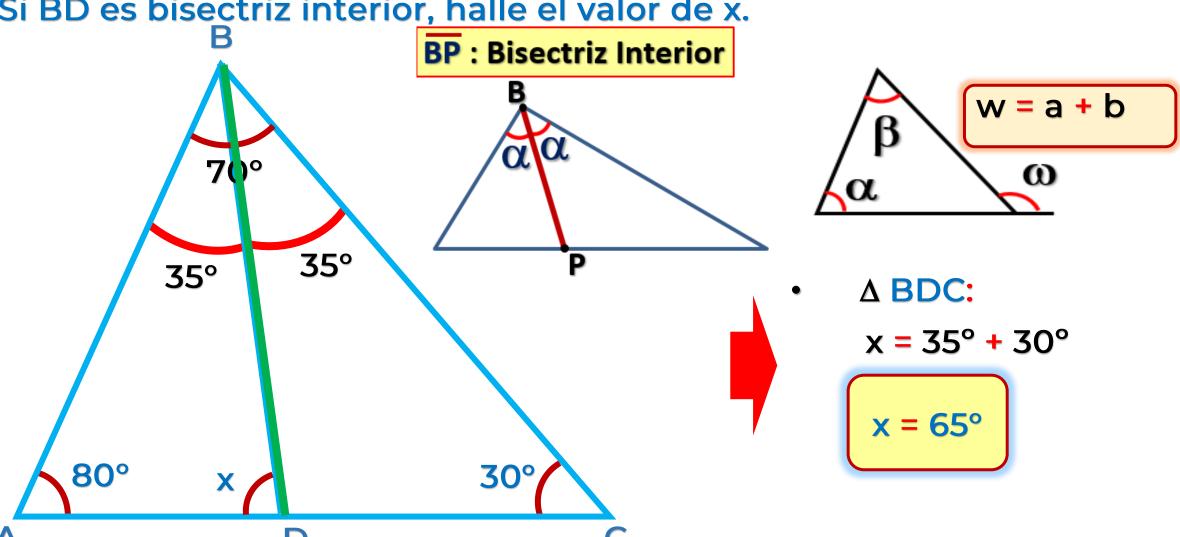
#### PROBLEMA 2

Se tiene un triángulo ABC, luego se traza la mediana BM, donde AM = x, MC = 12 - 2x. Halle el valor de x.



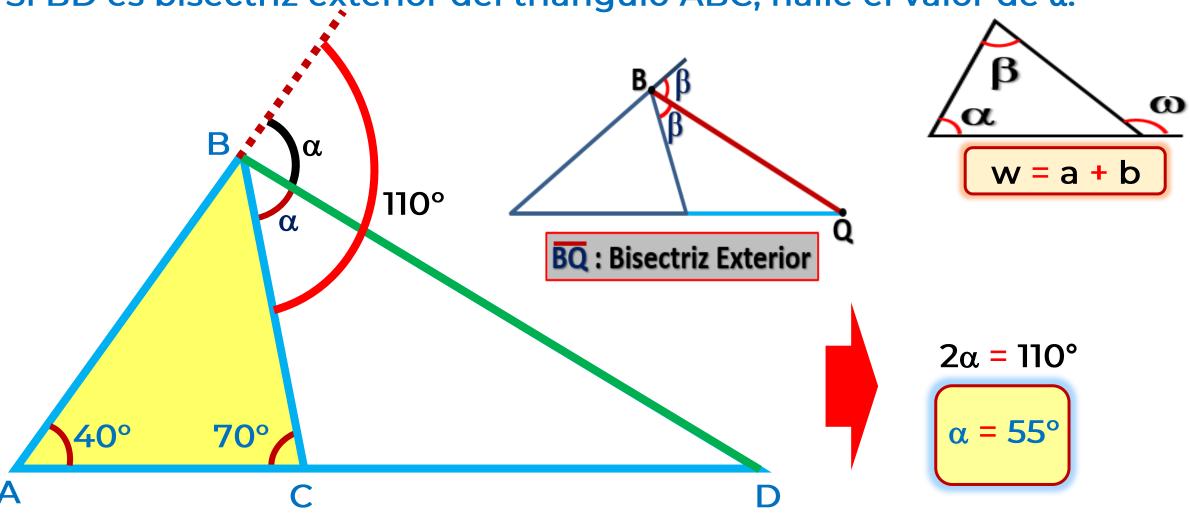


Si BD es bisectriz interior, halle el valor de x.



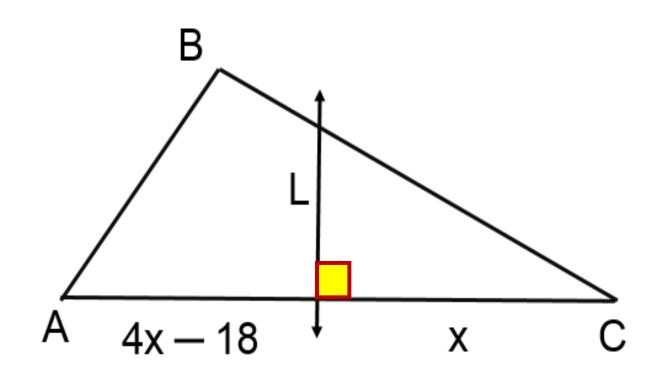


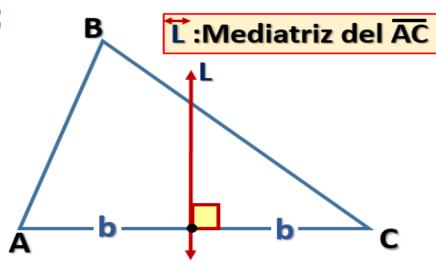
Si BD es bisectriz exterior del triángulo ABC, halle el valor de  $\alpha$ .





Si L es mediatriz del AC, halle el valor de

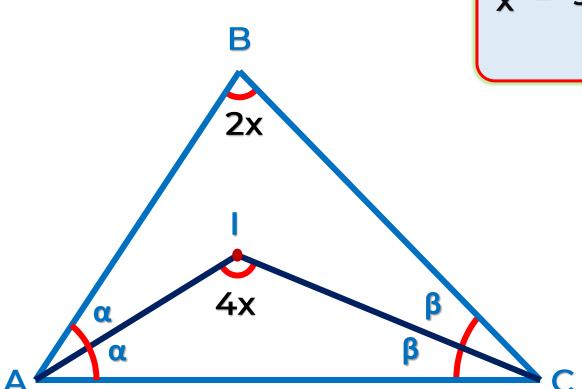




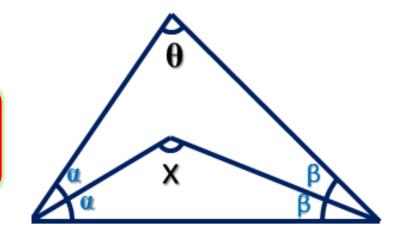
$$4x - 18 = x$$
  
 $3x = 18$ 



En la figura, halle el valor de x.









$$4x = 90^{\circ} + 2x$$

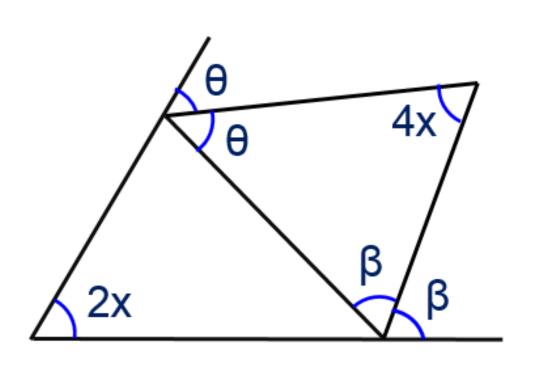
$$4x = 90^{\circ} + x$$

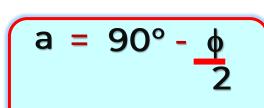
$$3x = 90^{\circ}$$

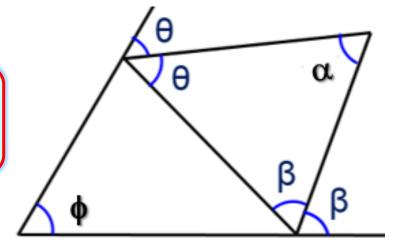
$$x = 30^{\circ}$$

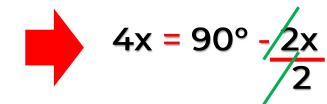


En la figura, halle el valor de x.





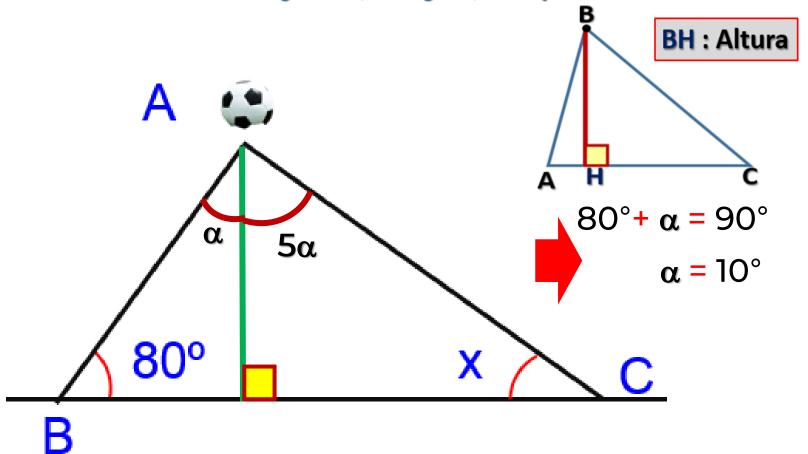


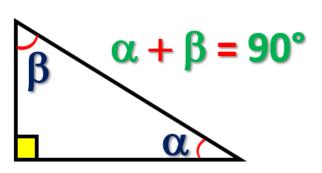


$$5x = 90^{\circ}$$



En la figura, se observa caer una pelota tal que su trayectoria forma con AC y AB,  $5\alpha$  y  $\alpha$ , respectivamente. Halle el valor de x.





$$x + 5\alpha = 90^{\circ}$$

$$x + 50^{\circ} = 90^{\circ}$$