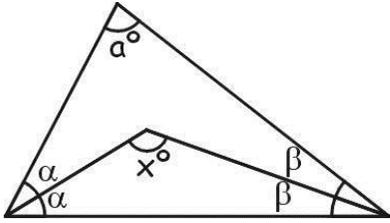


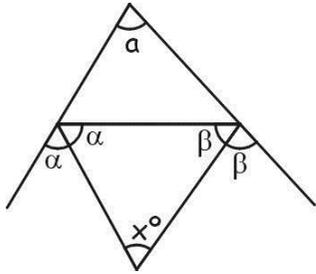
## PROPIEDADES CON LÍNEAS NOTABLES

1. Ángulo formado por dos bisectrices interiores.



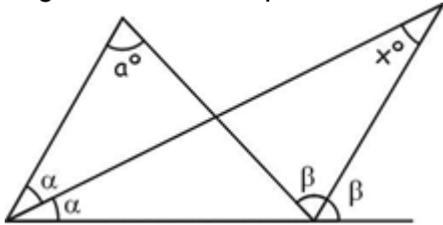
$$x = 90^\circ + \frac{\alpha}{2}$$

2. Ángulo formado por dos bisectrices exteriores.



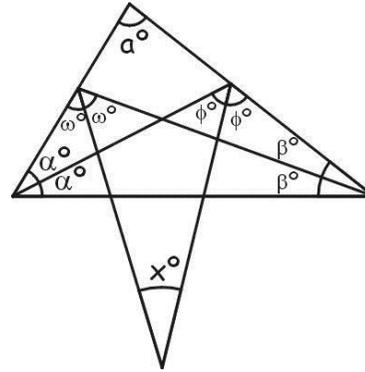
$$x = 90^\circ - \frac{\alpha}{2}$$

3. Ángulo formado por una bisectriz interior y una bisectriz exterior.



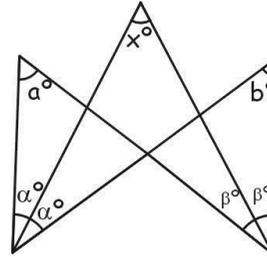
$$x = \frac{\alpha}{2}$$

4.

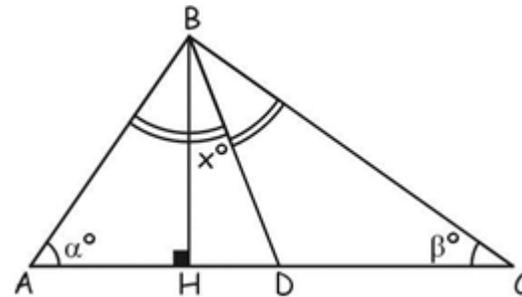
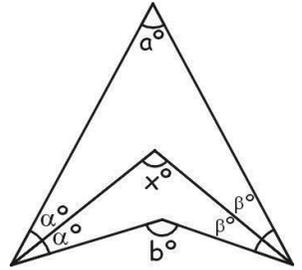


$$x = 45^\circ + \frac{\alpha}{2}$$

5.



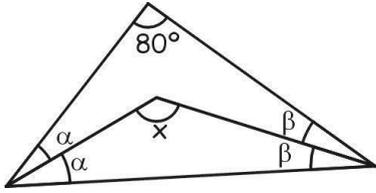
$$x = \frac{a + b}{2}$$



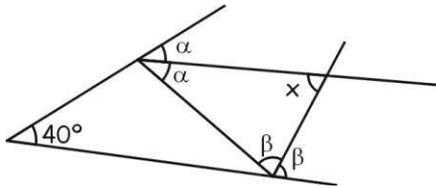
$$x = \frac{\alpha - \beta}{2}$$

PROBLEMAS DE APLICACIÓN

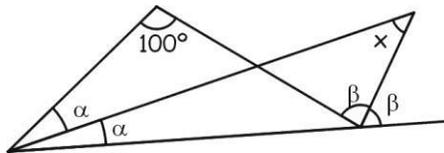
1. Hallar "x" en:



2. Hallar "x" en:

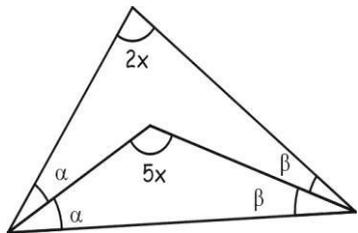


3. Hallar "x" en:

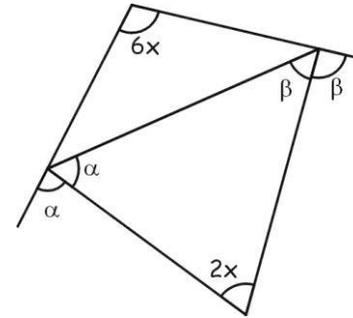


4. En la figura.

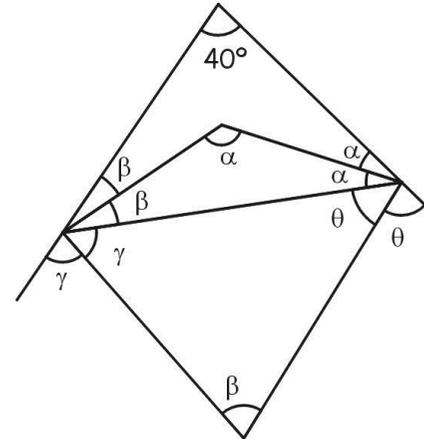
Hallar "x"



5. Hallar "x" en:



6. Hallar:  $\alpha + \beta$



7. En la figura que se muestra. Hallar el valor de "x"

