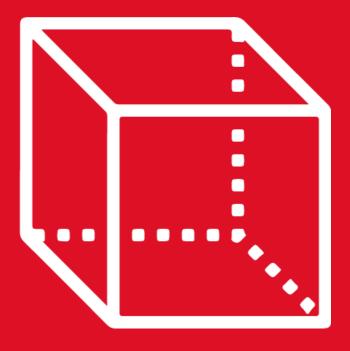


# GEOMETRÍA

1er bimestre

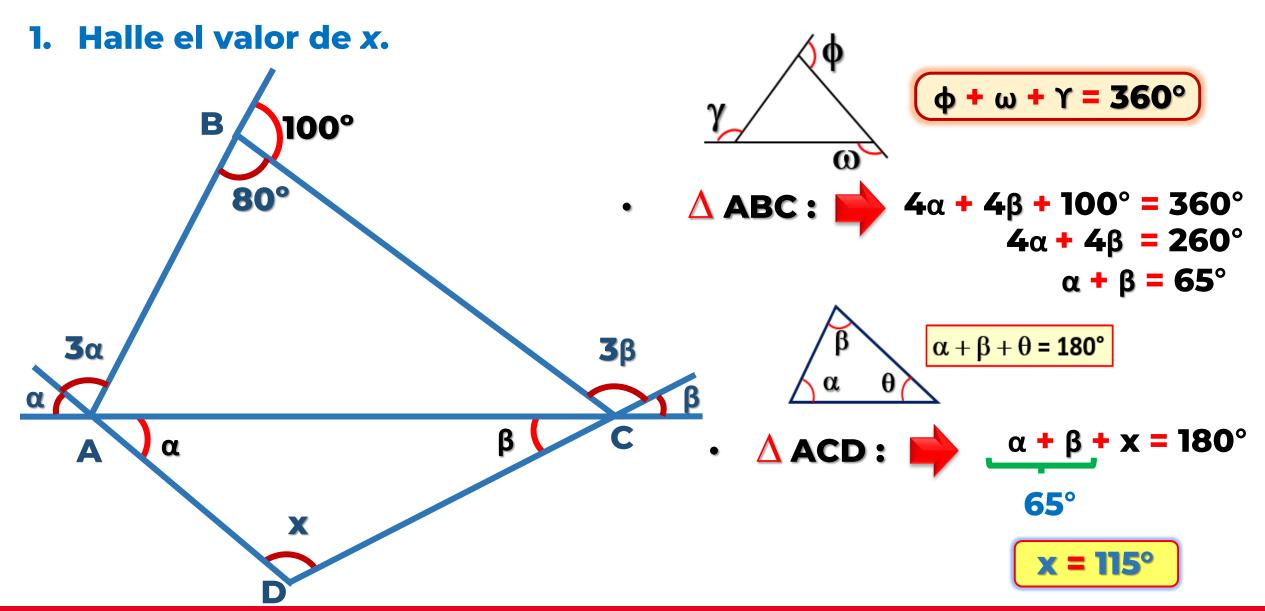


Asesoría



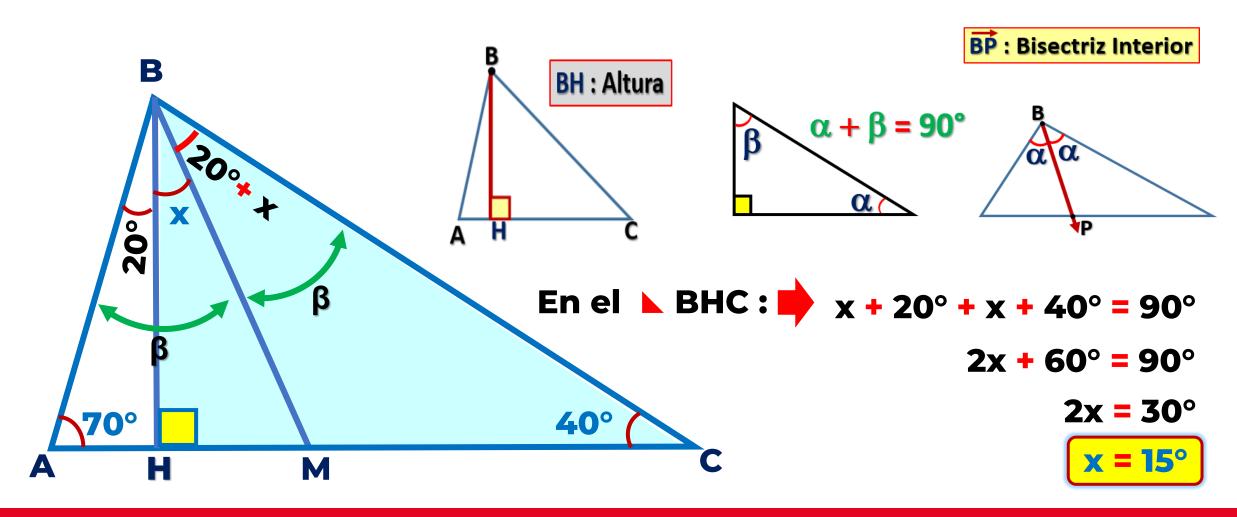






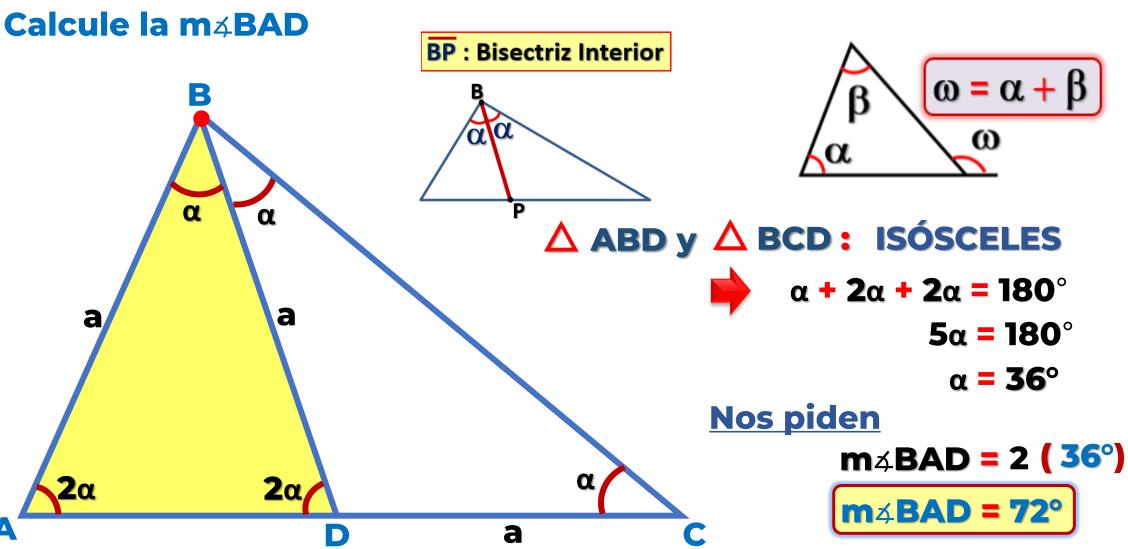


# 2. Halle el valor de x, si $\overline{BH}$ y $\overline{BM}$ son altura y bisectriz respectivamente de triángulo ABC.



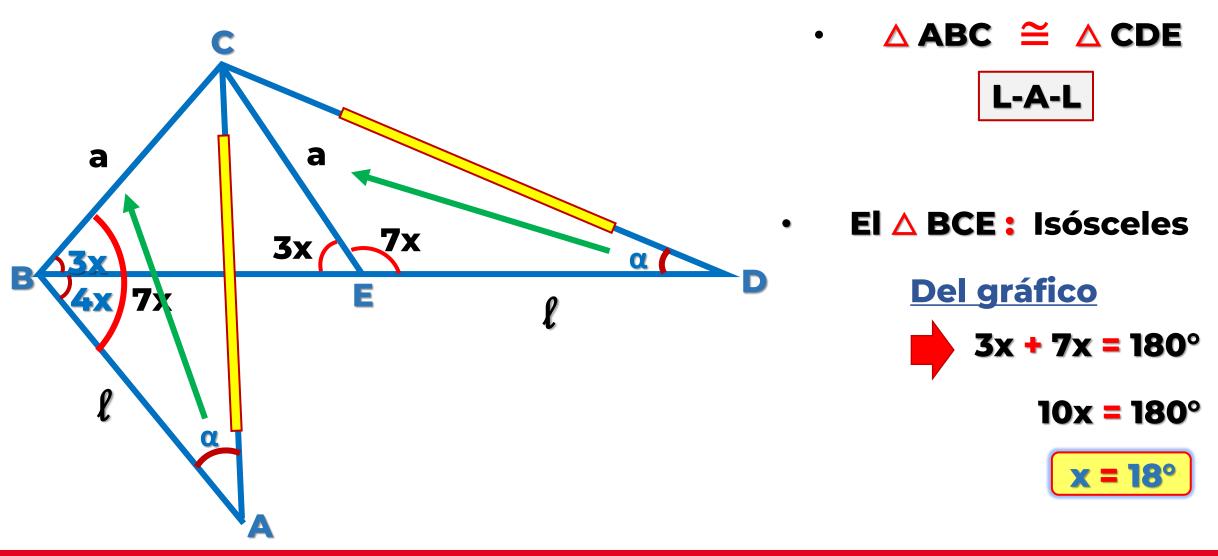


3. En la figura, AB = BD = CD, además  $\overline{BD}$  es bisectriz del  $\triangle$  ABC.



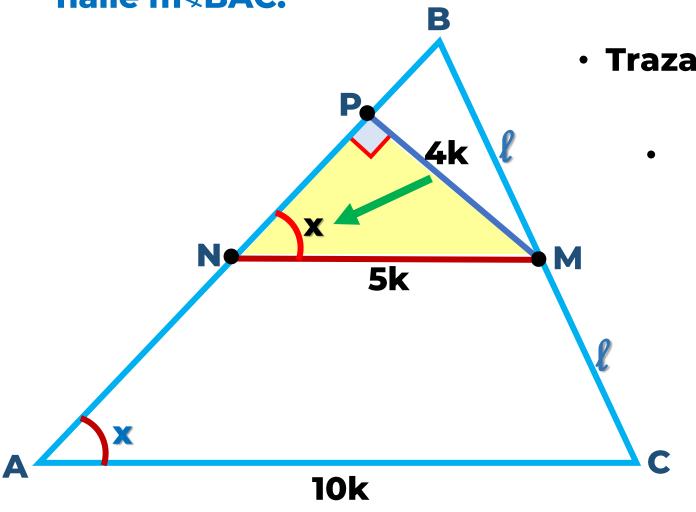


## 4. En la figura, halle el valor de x si AB = ED y AC = CD.



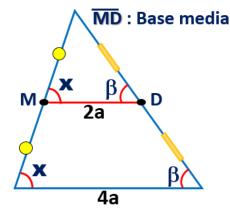


5. En el triángulo ABC, M es punto medio de  $\overline{BC}$ , PM = 4k y AC = 10k, halle m $\triangleleft$ BAC.



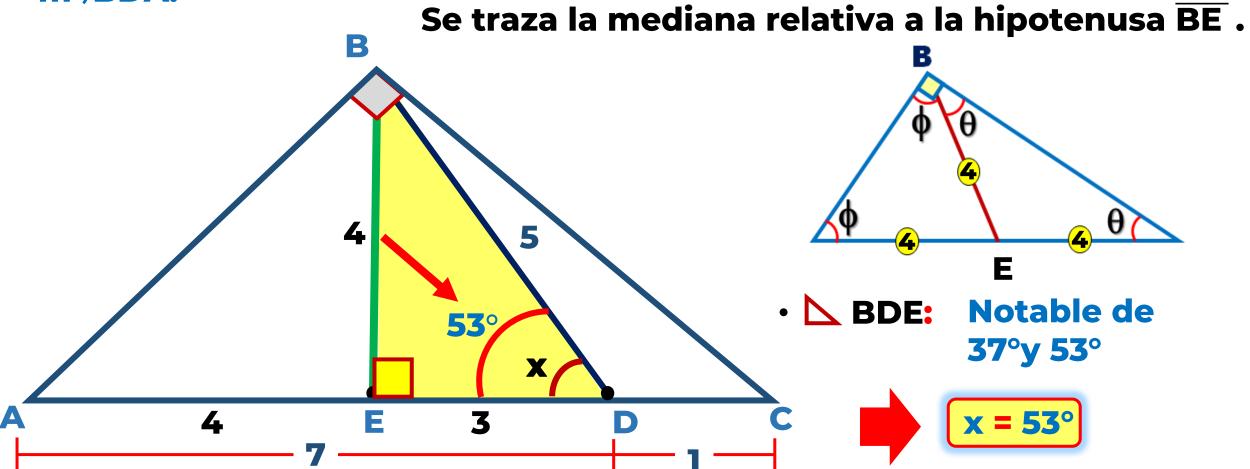
Trazamos MN paralela a AC

**MN**: Base media



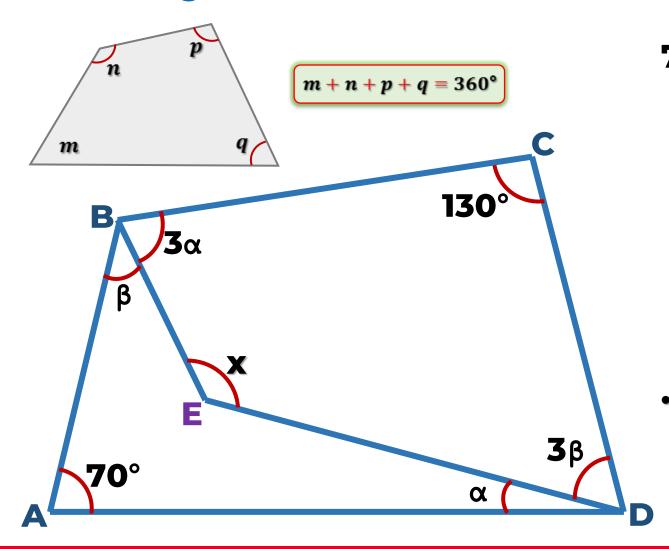
NPM: Notable de 37°y 53°

6. En un triángulo rectángulo ABC recto en B, en AC se ubican el punto D, de modo que: respectivamente, AD = 7, DC = 1 y BD = 5. Halle la m≰BDA.





#### 7. En la figura, halle el valor de x.



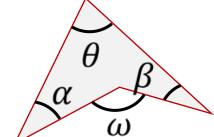


$$70^{\circ}+\beta+3\alpha+130^{\circ}+3\beta+\alpha=360^{\circ}$$

$$4\alpha+4\beta+200^{\circ}=360^{\circ}$$

$$4\alpha+4\beta=160^{\circ}$$

$$\alpha+\beta=40^{\circ}$$



$$(\boldsymbol{\omega} = \boldsymbol{\alpha} + \boldsymbol{\beta} + \boldsymbol{\theta})$$

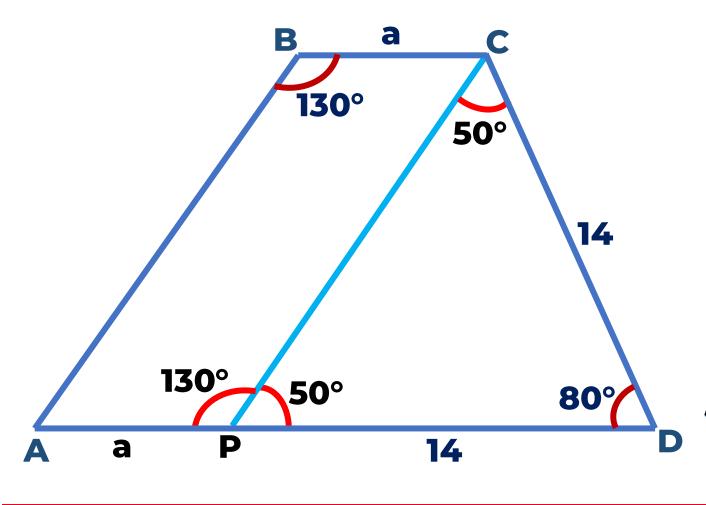


$$x = 70^{\circ} + \beta + \alpha$$

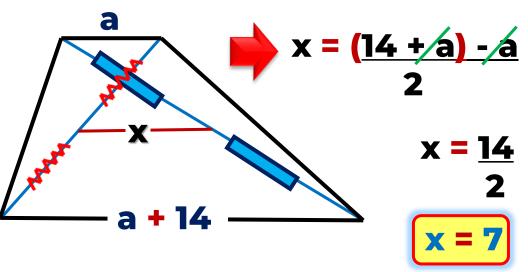
$$40^{\circ}$$



8. En el trapecio ABCD ( $\overline{BC}$  //  $\overline{AD}$ ), halle la medida del segmento que tiene por extremos a los puntos medios de las diagonales.

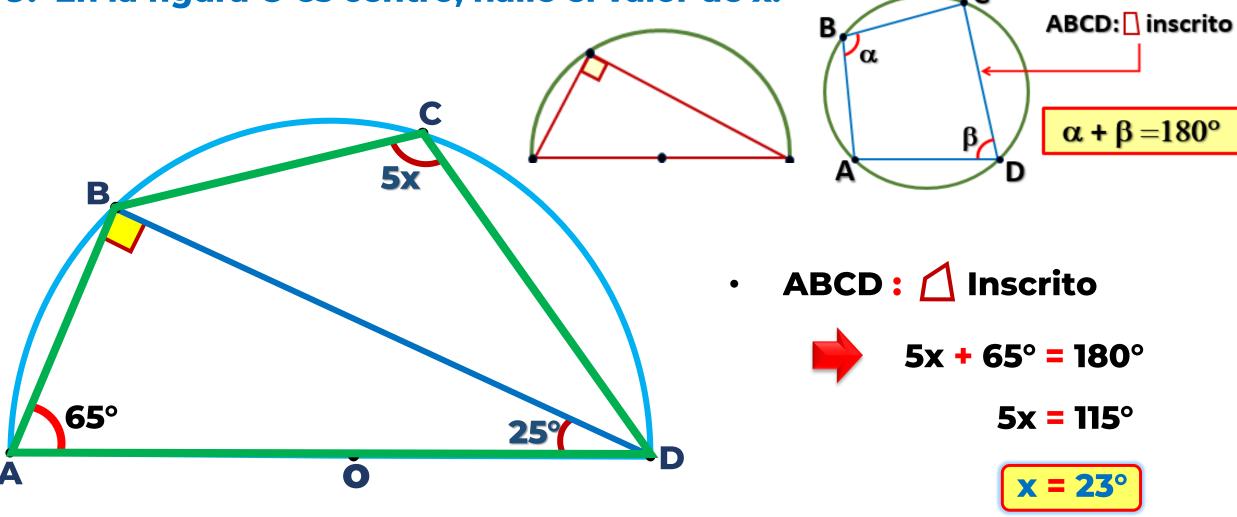


- Trazamos  $\overline{CP} // \overline{BA}$
- ABCP (PARALELOGRAMO)
- ▲ CDP : ISÓSCELES





# 9. En la figura O es centro, halle el valor de x.





## 10. En la figura, A,B,C y D son puntos de tangencia. Halle el valor de x.

