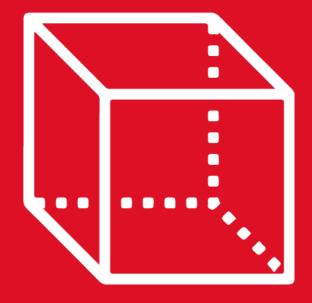
GEOMETRÍA Tomo 4

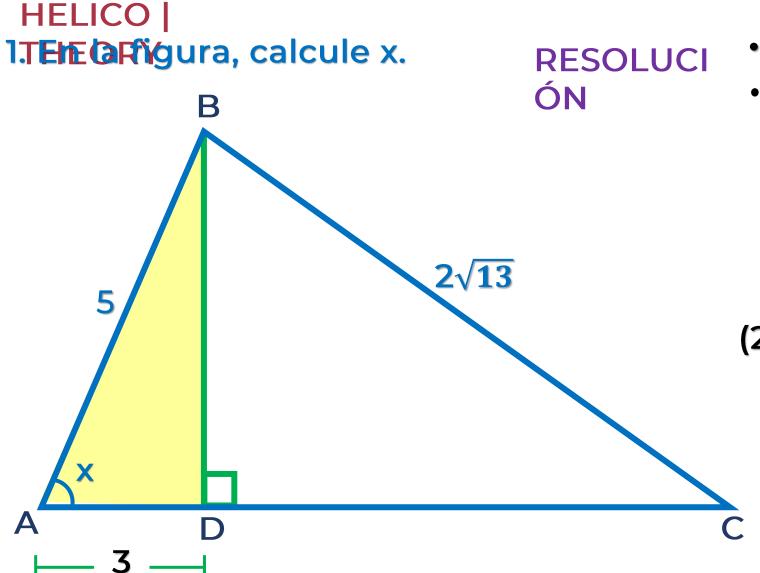




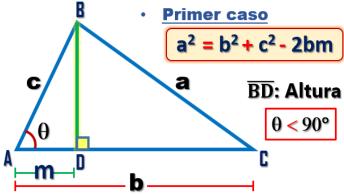
RETROALIMENTACIÓN







- Se traza la altura
- TERMEMA DE EUCLIDES



$$(2\sqrt{13})^2 = 9^2 + 5^2 - 2(9)(m)$$

$$52 = 81 + 25 - 18m$$

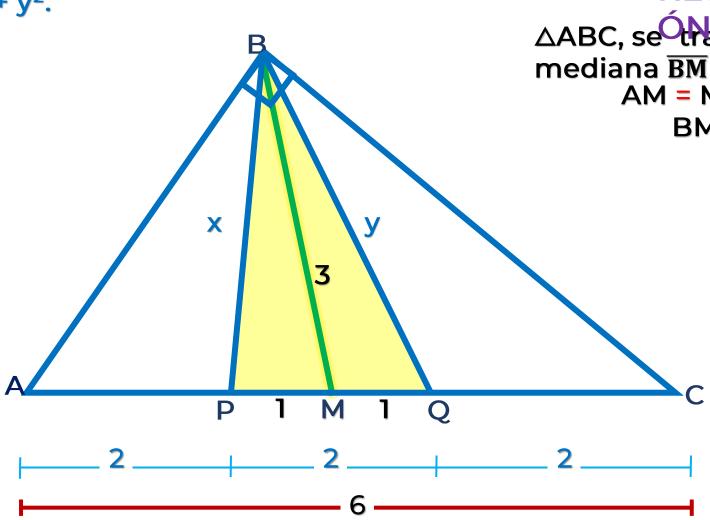
$$18m = 54 \quad m = 3$$

△ABD aproximado de 37° y 53°

HELICO | THEORY





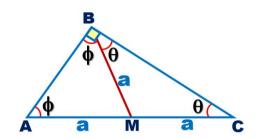


RESOLUCI

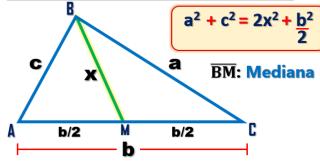
ΔABC, se^{Otra}za la menor

$$AM = MC = = 3$$

BM







$$\triangle PBQ: x^2 + y^2 = 2(3)^2 + \frac{(2)^2}{2}$$
 $x^2 + y^2 = 18 + 2$

$$x^2 + y^2 = 20$$

HELICO | THEORY



3. En un triángulo ABC, se traza la bisectriz interior \overline{BD} . Si AB = 6, BC = 8 y DC =

4

D

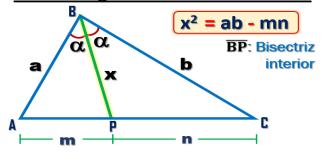
4. Halle BD.

RESOLUCI • **BD**: bisectriz

Ó Nde la bisectriz interior pricionalidad)

$$\frac{36}{48} = \frac{AD}{4}$$
 AD = 3

T. de la longitud de la bisectriz interior



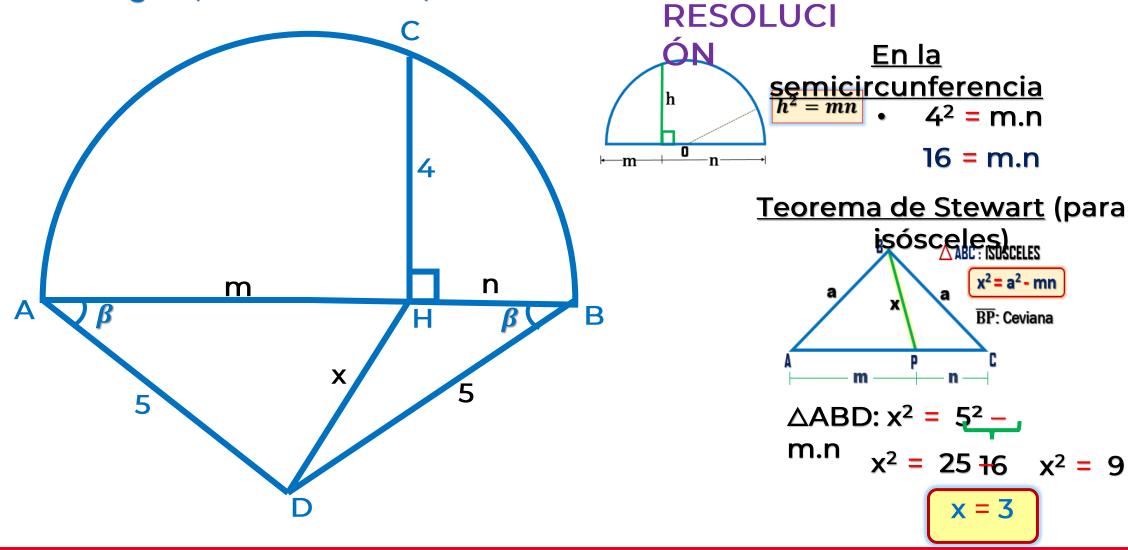
En el
$$\triangle$$
ABC: $x^2 = 6.8 - 3.4$ $x^2 = 48 - 12$

$$x^2 = 36$$

$$x = 6$$



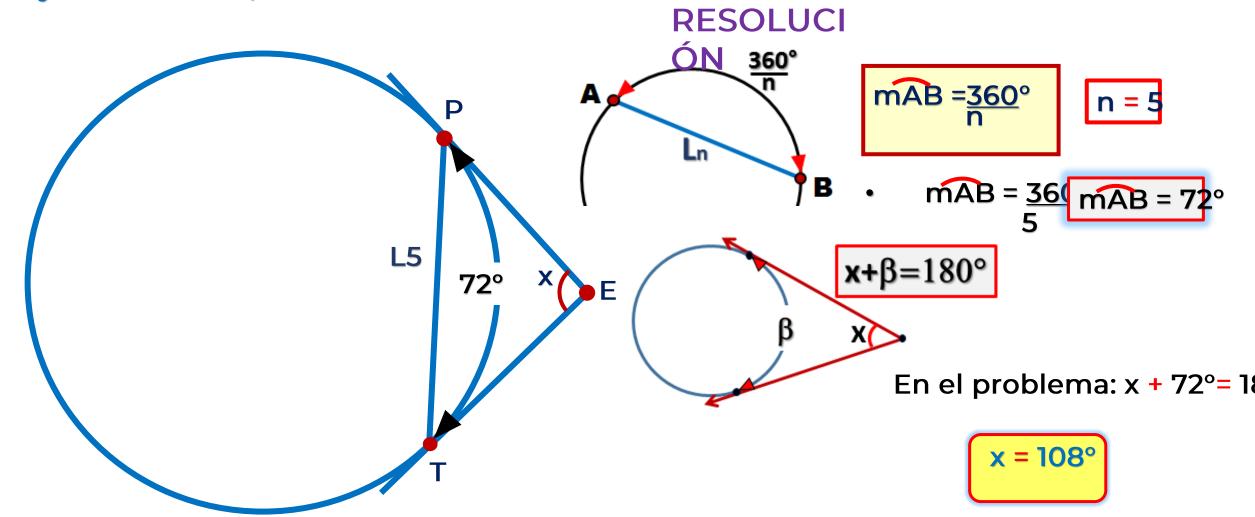
4. En la figura, AB es diámetro, calcule DH.



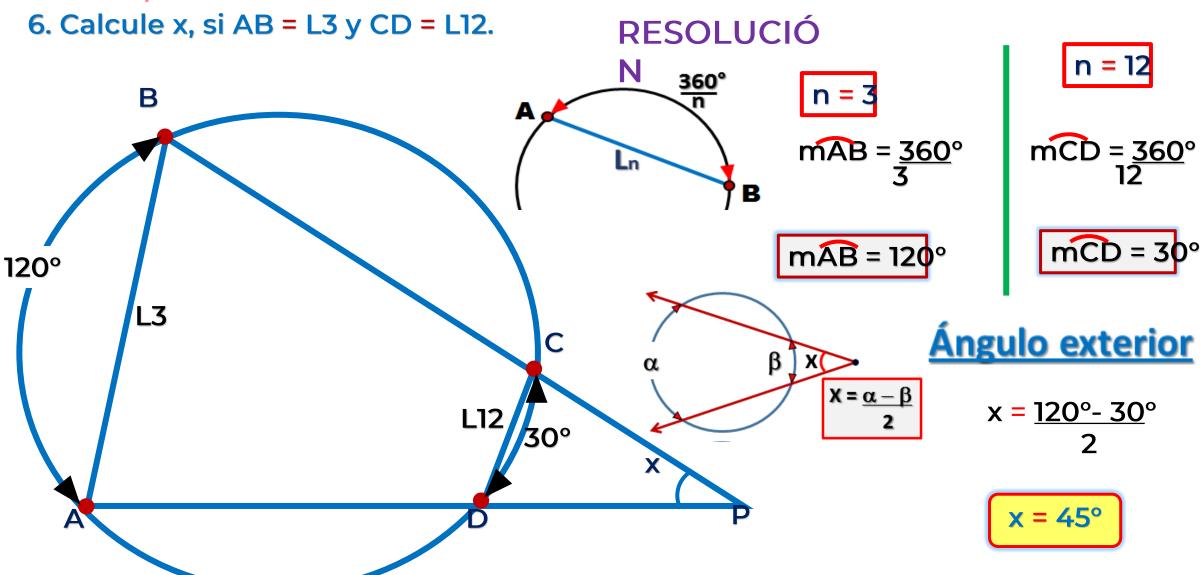


HELICO | PRACTICE

5. Desde un punto E exterior a una circunferencia, se trazan los segmentos tangentes ET y EP. Si PT = L5, halle la m<PET.

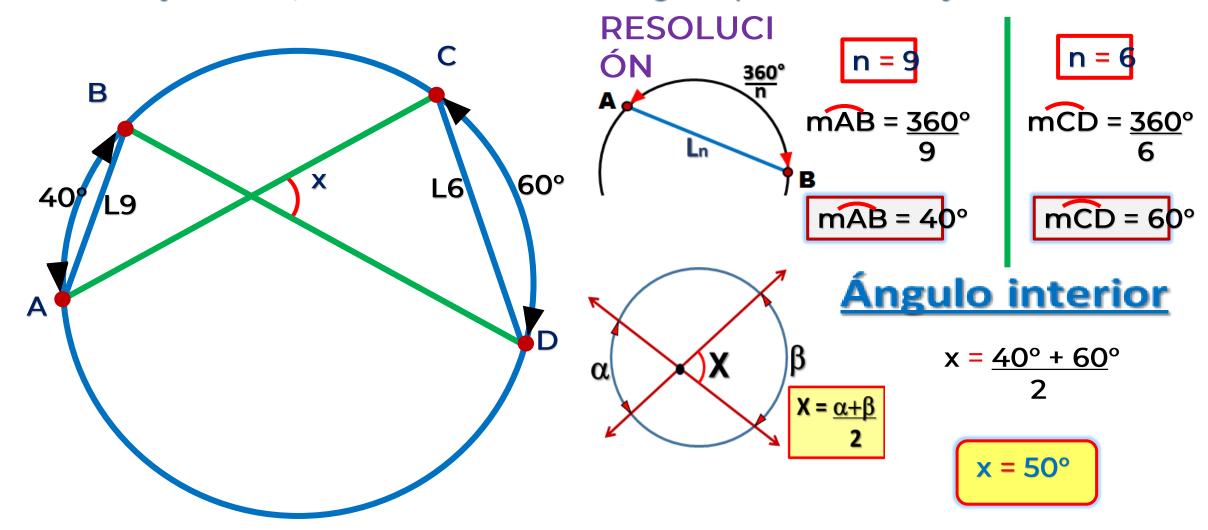






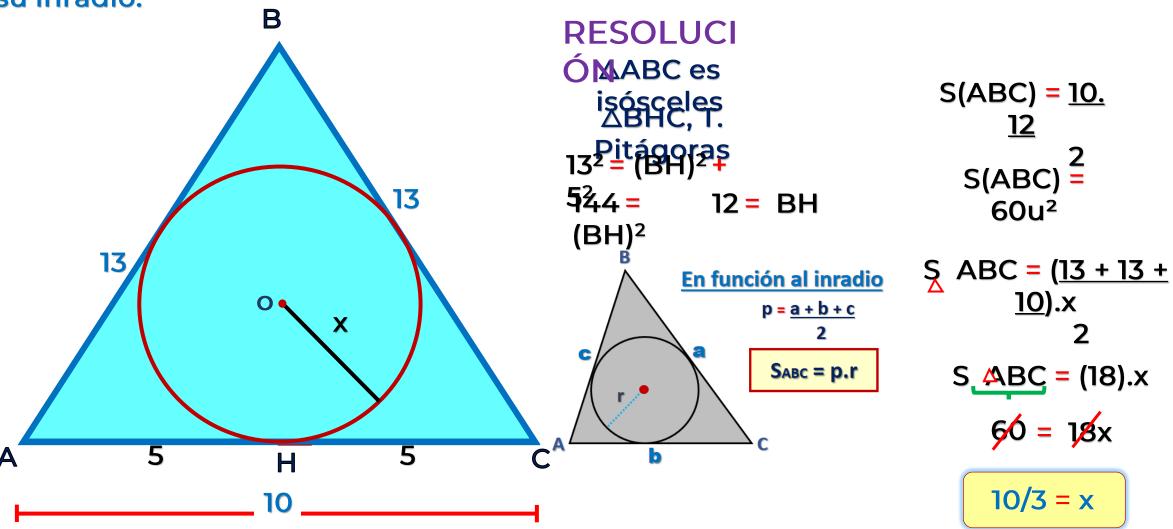


7. Si AB = L9 y CD = L6, calcule la medida del ángulo que forman \overline{BD} y \overline{AC} .



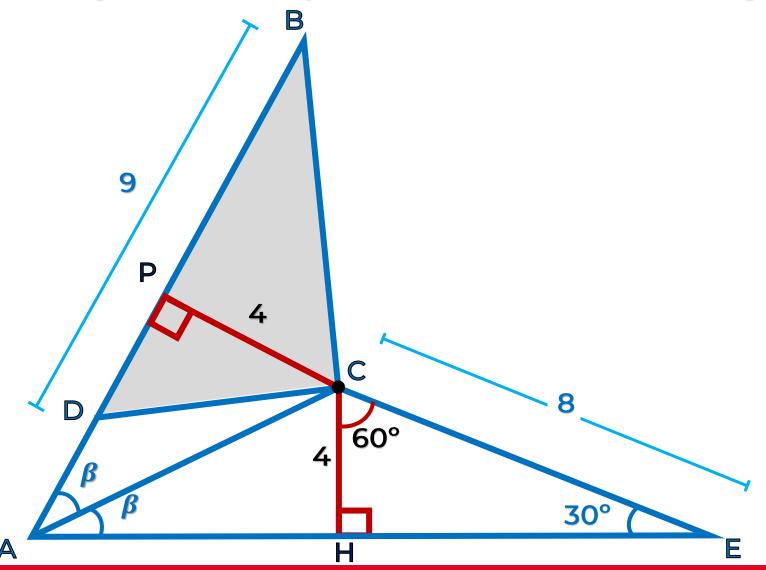


HELICO | PRACTICE 8. Las longitudes de los lados del triángulo son: 13; 13 y 10. Calcule la longitud de su inradio.





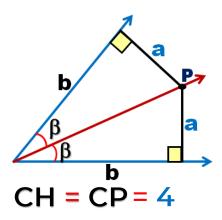
9. En el gráfico, BD = 9 y CE= 8, calcule el área de la región sombreada.



RESOLUCI

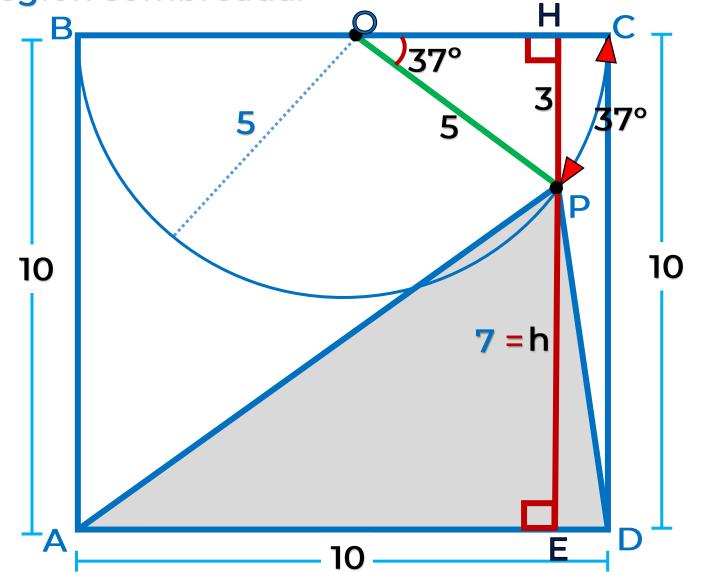
Sémaza la altura CH.

∠CHE es notable de 30° y 60°



• ∆ABC, S<mark>t**eet**sma</mark> = 2

HELICO | PRACTICE 10. En la figura, ABCD es un cuadrado, si mCP = 37°, calcule el área de la regióh sombreada. 10 **RESOLUCIÓ**



- **\\$**e traza
- 98 traza PH Perdiphoxium ago de
- Se protonga HP hasta EH es recténgulo0

$$h + 3 = 10 h = 7$$

• Teore $S(APD) = \frac{10.7}{2}$ ma

$$S(APD) = 35\mu^2$$