

GEOMETRÍA Tomo 3

3st **SECONDARY**

Retroalimentación

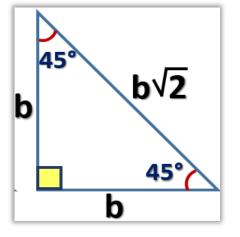






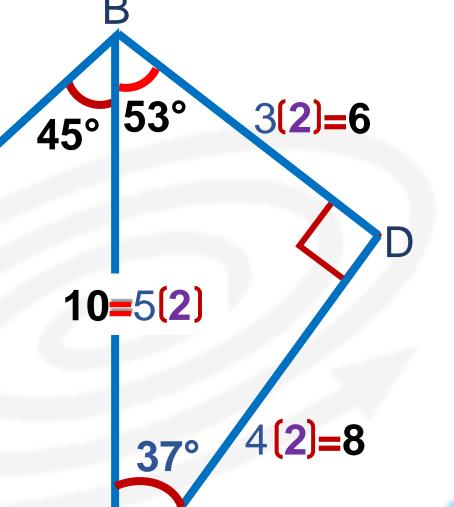






45°





Nos piden

$$K = \frac{AC + CD}{BD}$$

$$K = \frac{10+8}{6}$$

$$K = 3$$

HELICO | PRACTICE

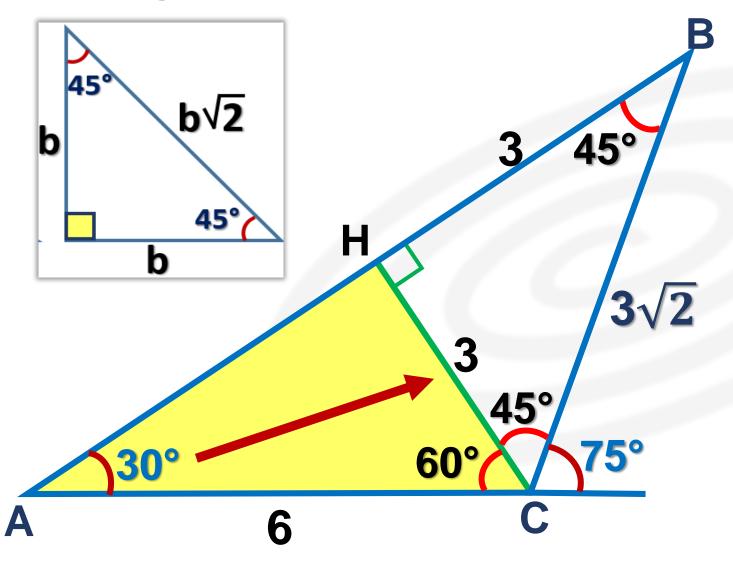


2. Se observa una madera en cuyos extremos están situados los puntos A y B. Si dicha madera forma con el piso un ángulo de 45°, la altura de la pared tiene una medida de (x + 9)m y la distancia del punto B a la pared es

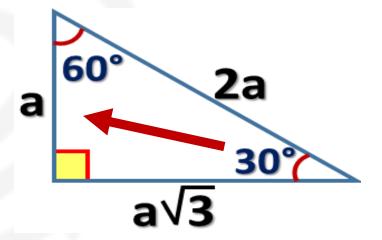
de (3x - 1)m, ¿cuánto mide la madera? **b**√2 3x - 1 = x + 945° 2x = 10b x = 5Nos piden $AB = 14\sqrt{2}m$ 45° (3x - 1) m



3. En la figura, calcule AC.



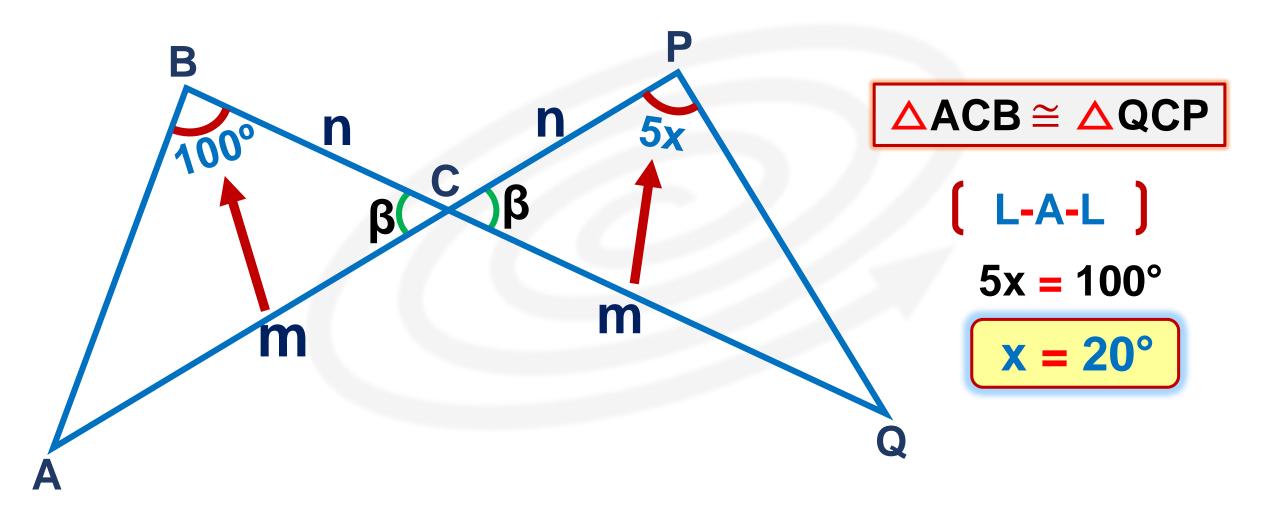
Trazamos la altura CH.



Nos piden

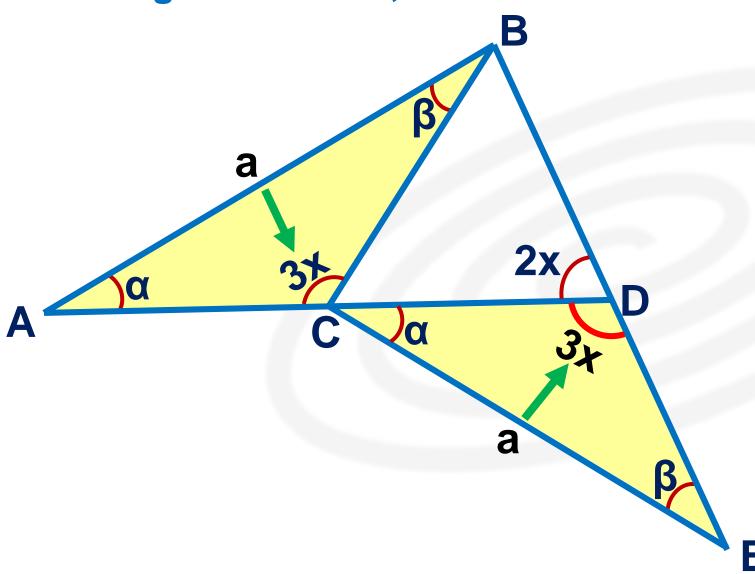


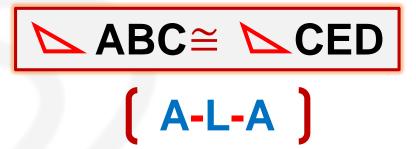
4. En la figura, BC = CP y AC = CQ. Calcule x.





5. En la figura AB = CE, calcule x.





Del gráfico

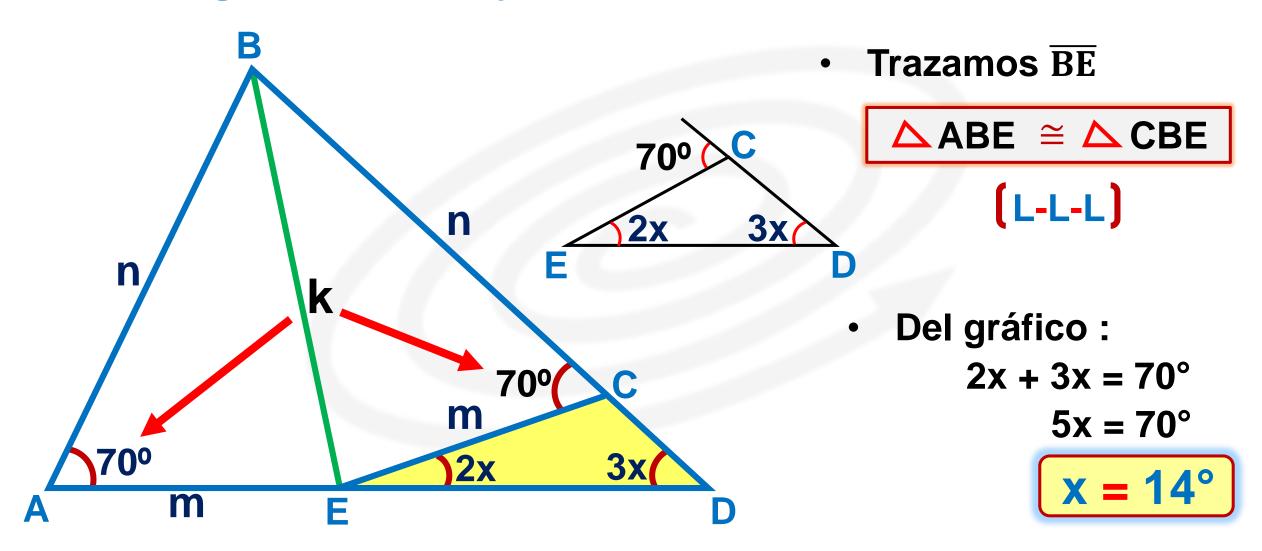
$$2x + 3x = 180^{\circ}$$

 $5x = 180^{\circ}$

$$x = 36^{\circ}$$

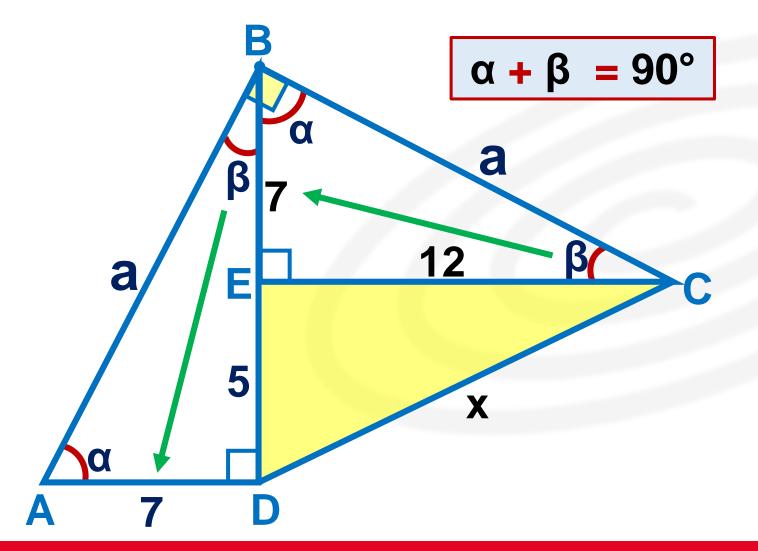


6. En la figura AB = BC y AE = CE, calcule x.





7. En la figura, AB = BC, calcule CD.



►ABD≅ **►**BCE

$$AD = BE = 7$$

$$EC = 7 + 5$$

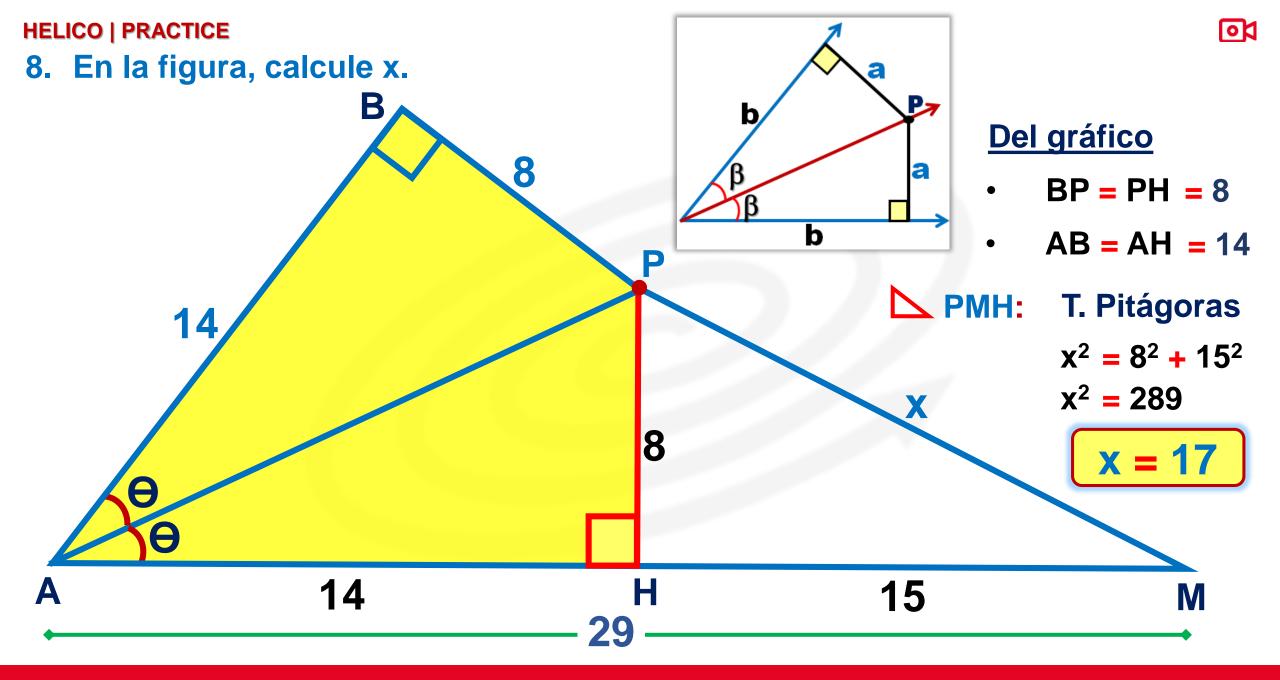
$$EC = 12$$

► CED T. Pitágoras

$$x^2 = 5^2 + 12^2$$

$$x^2 = 169$$

$$x = 13$$

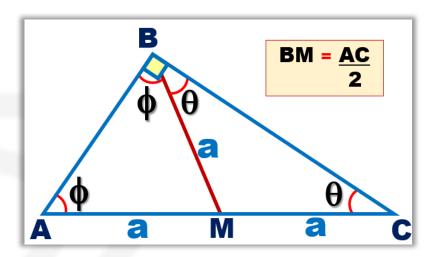




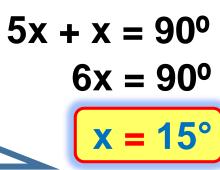
9. En la figura, calcule x.

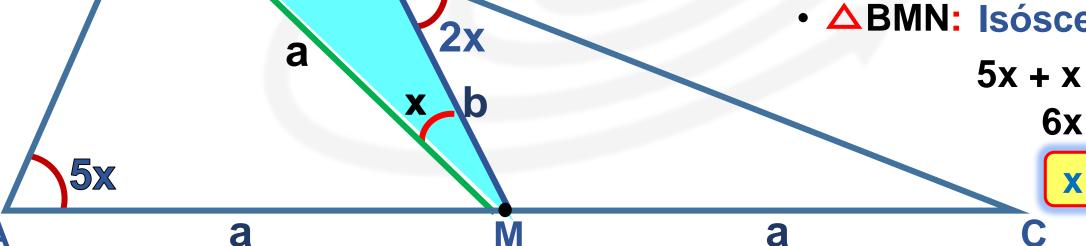
5x

- Trazamos \overline{BM} .
- BM: mediana relativa a la hipotenusa.



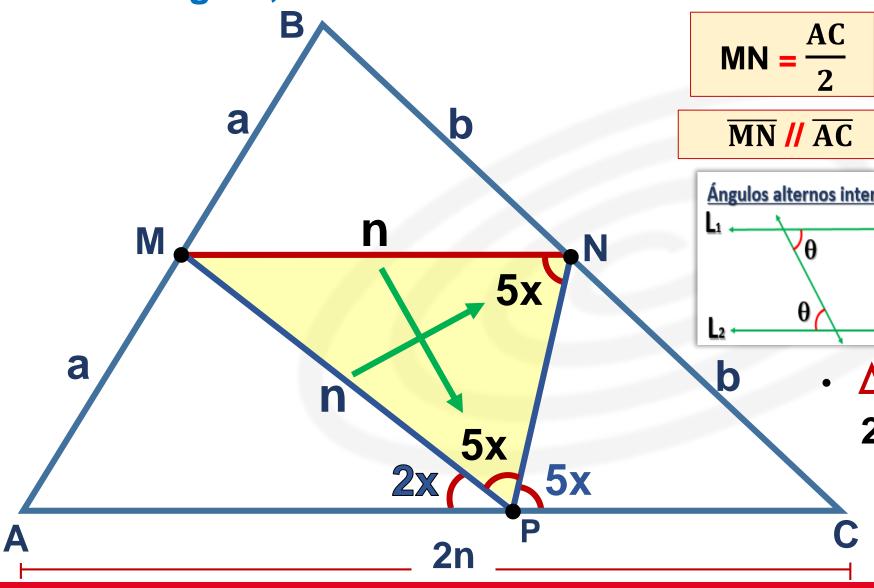
- ABM: Isósceles
- ▲BMN: Isósceles

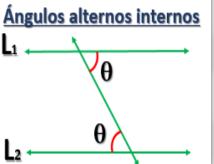




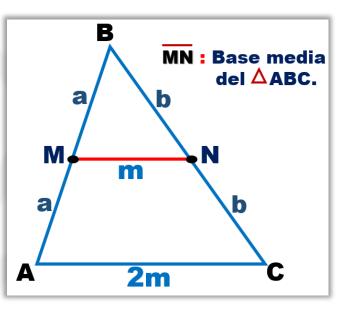


10. En la figura, calcule x.









▲ MNP: Isósceles

$$2x + 5x + 5x = 180^{\circ}$$

$$12x = 180^{\circ}$$

$$x = 15^{\circ}$$