

GEOMETRÍA

Tomo 3



Retroalimentación



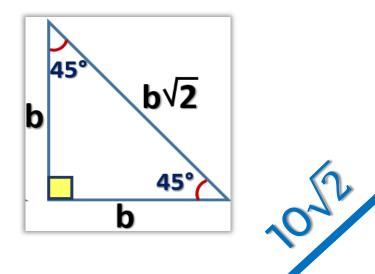


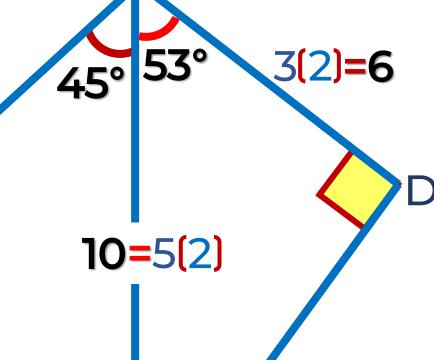






10





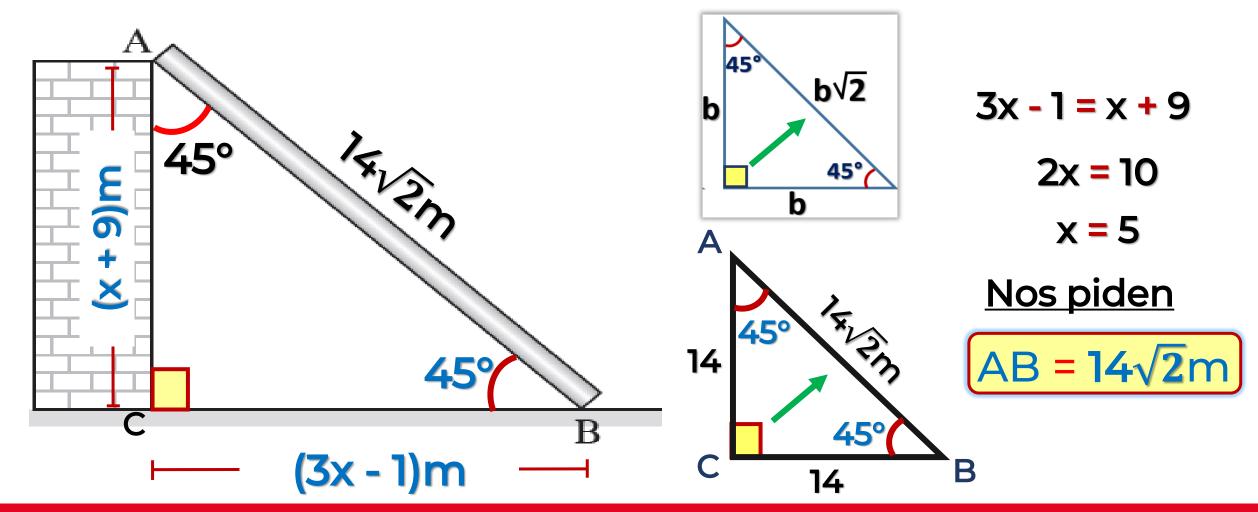
4(2)=8

Nos piden

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

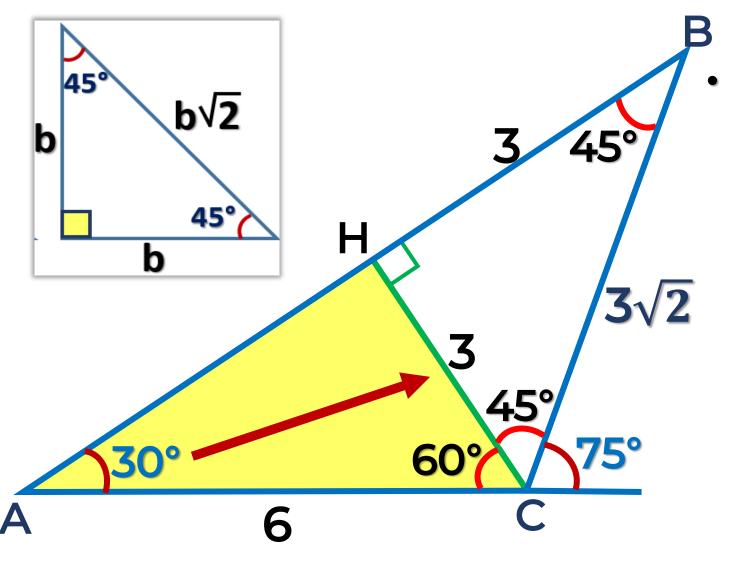
$$K = \frac{10 + 8}{6}$$

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?

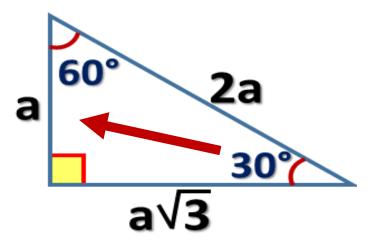


01

3. En la figura, calcule AC.



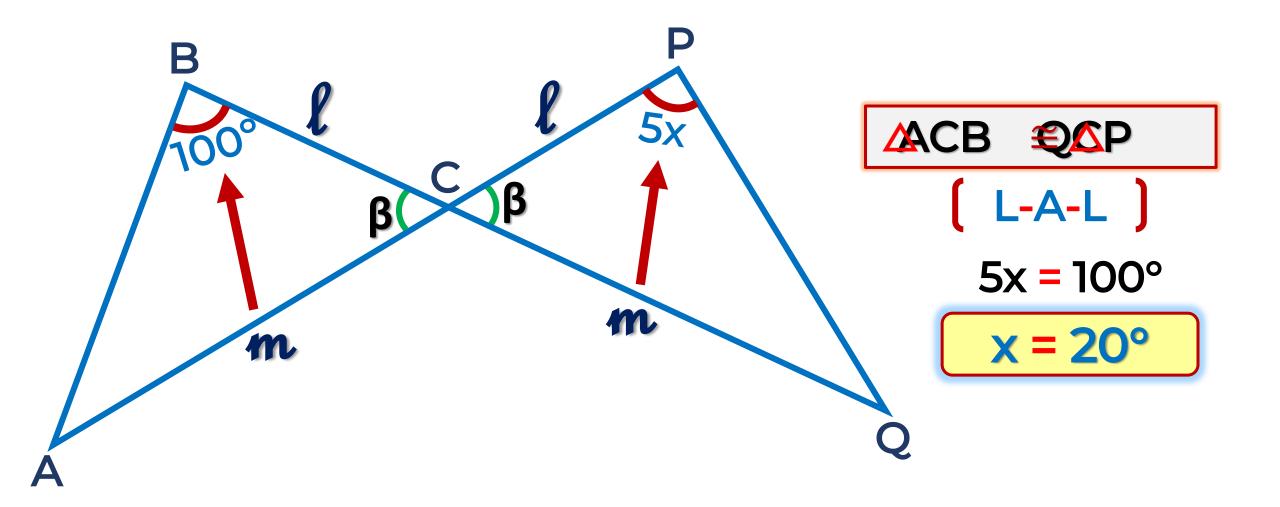
Trazamos la altura \overline{CH} .



Nos piden

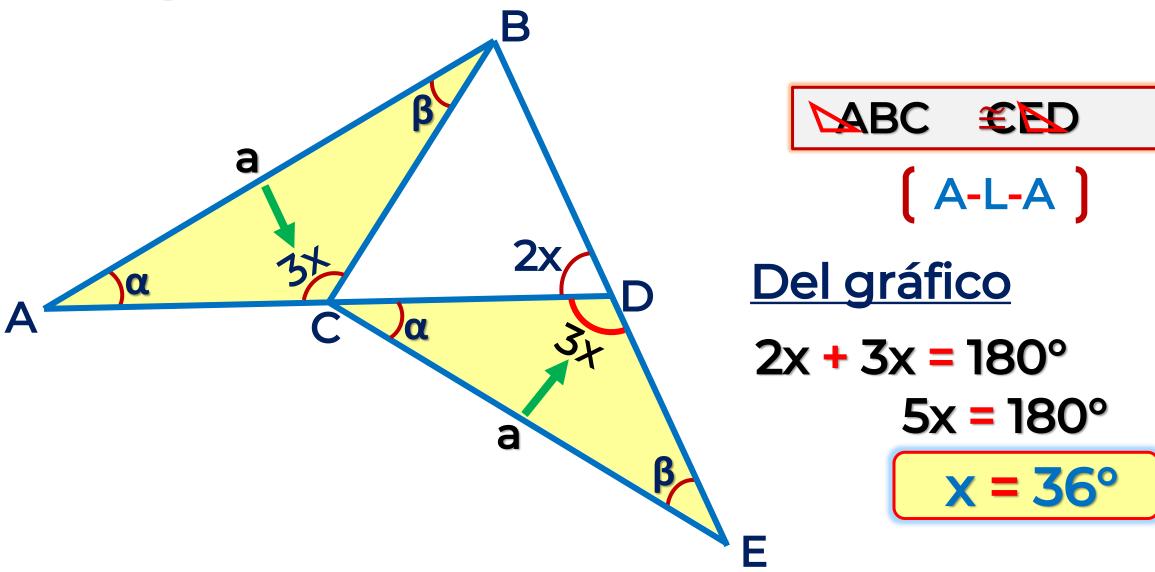


4. En la figura, BC = CP y AC = CQ. Calcule x.



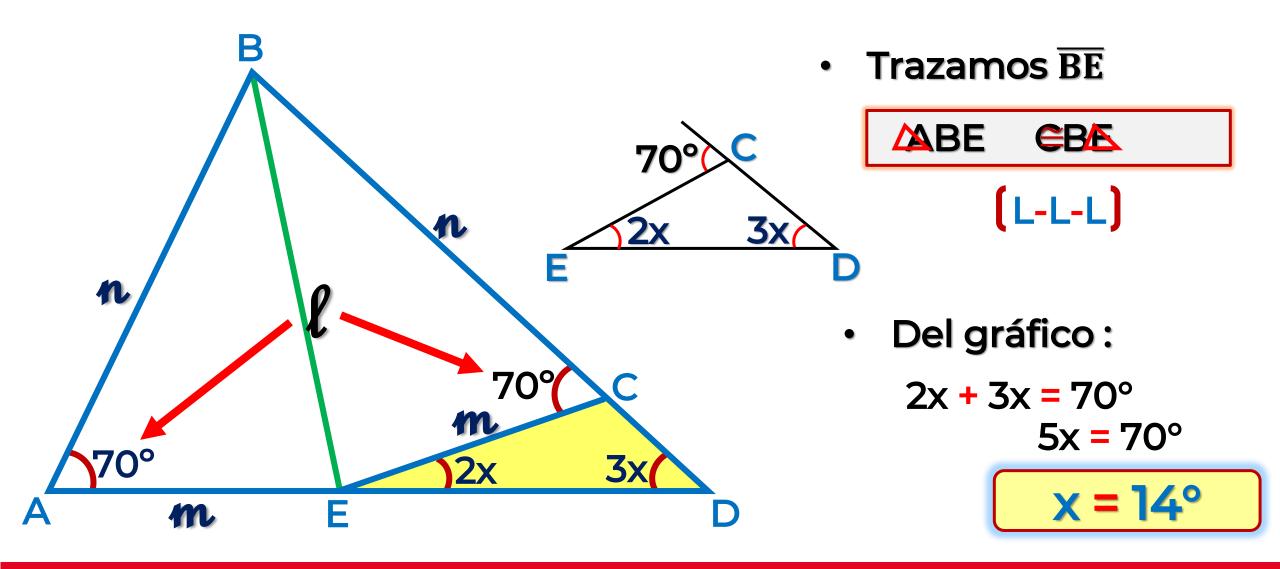


5. En la figura AB = CE, calcule x.



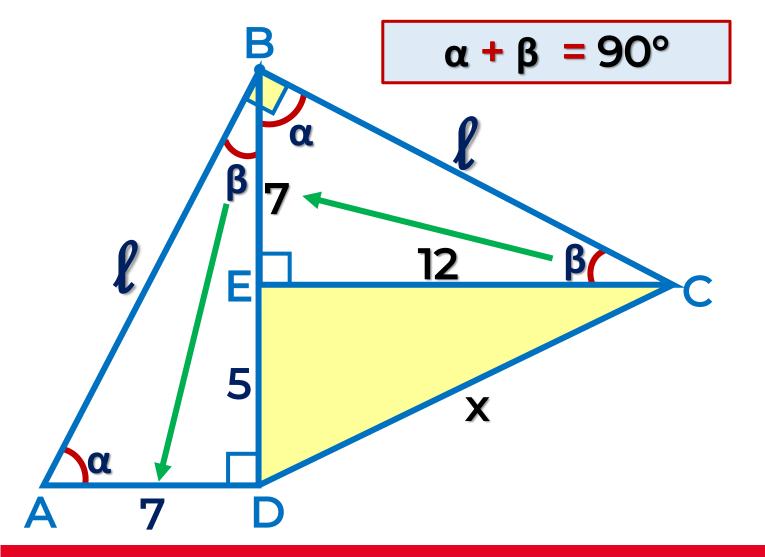


6. En la figura AB = BC y AE = CE, calcule x.





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





$$EC = 7 + 5$$

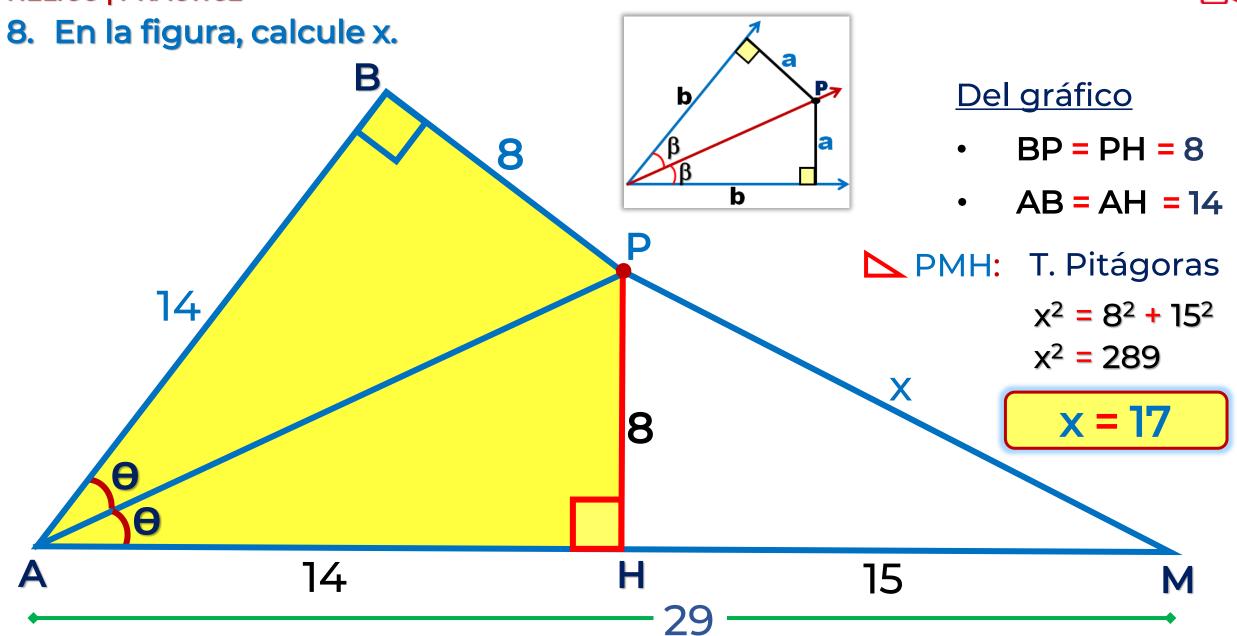
$$x^2 = 5^2 + 12^2$$

$$x^2 = 169$$

$$x = 13$$







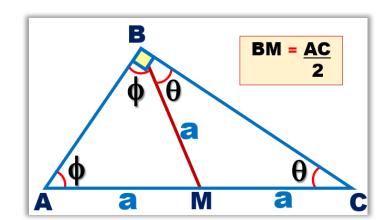


9. En la figura, calcule x.

5x



• BM: mediana relativa a la hipotenusa.





▲BMN: Isósceles

a

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

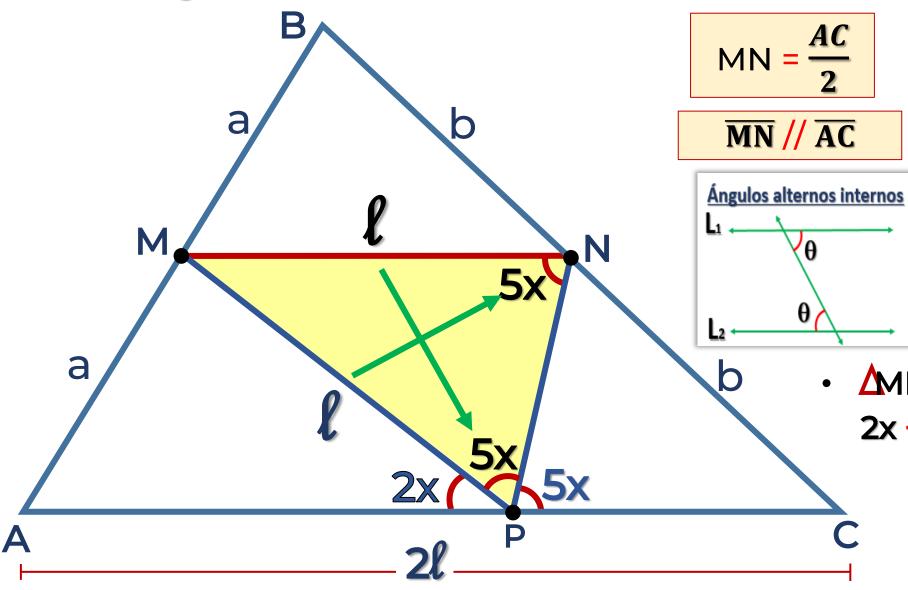
$$6x = 90^{\circ}$$

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

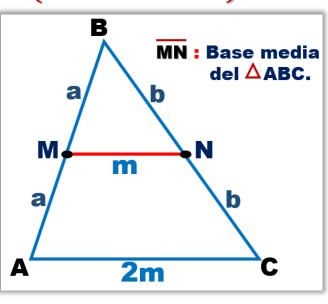
5x



10. En la figura, calcule x.



 Trazamos MN (Base media)



MNP: Isósceles

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

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

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