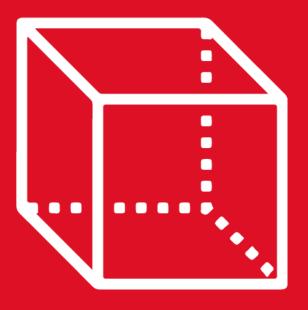


GEOMETRÍA

Tomo 4



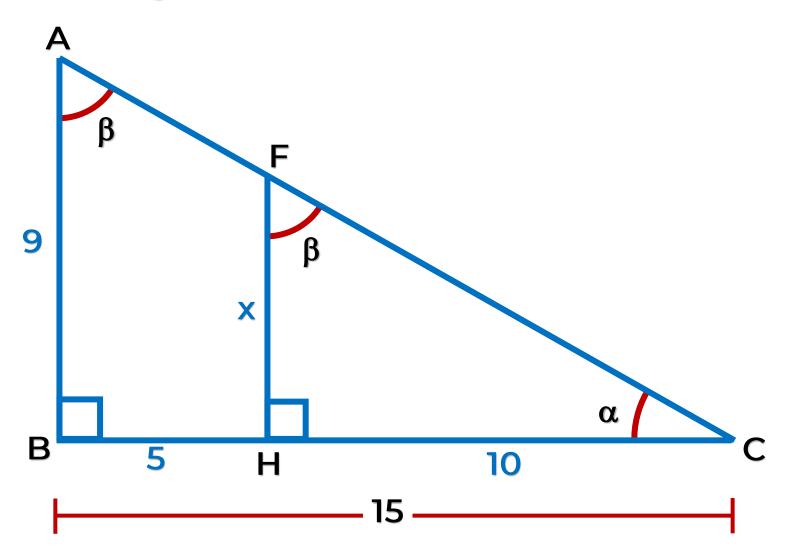


Retroalimentación



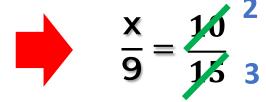


1. En la figura, calcule x.







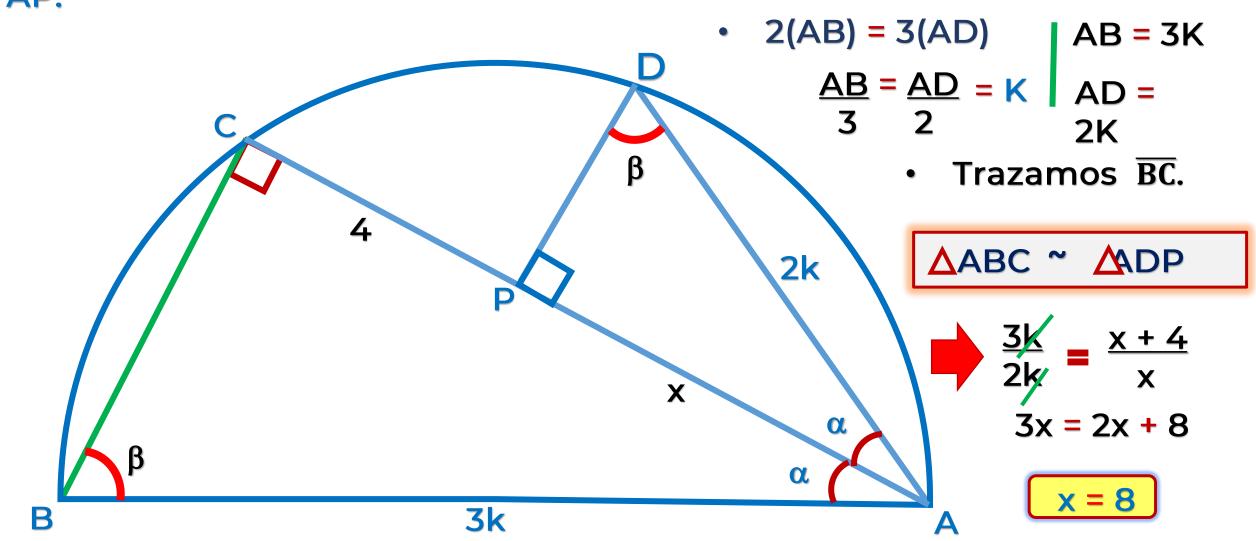


$$3x = 18$$

$$x = 6$$

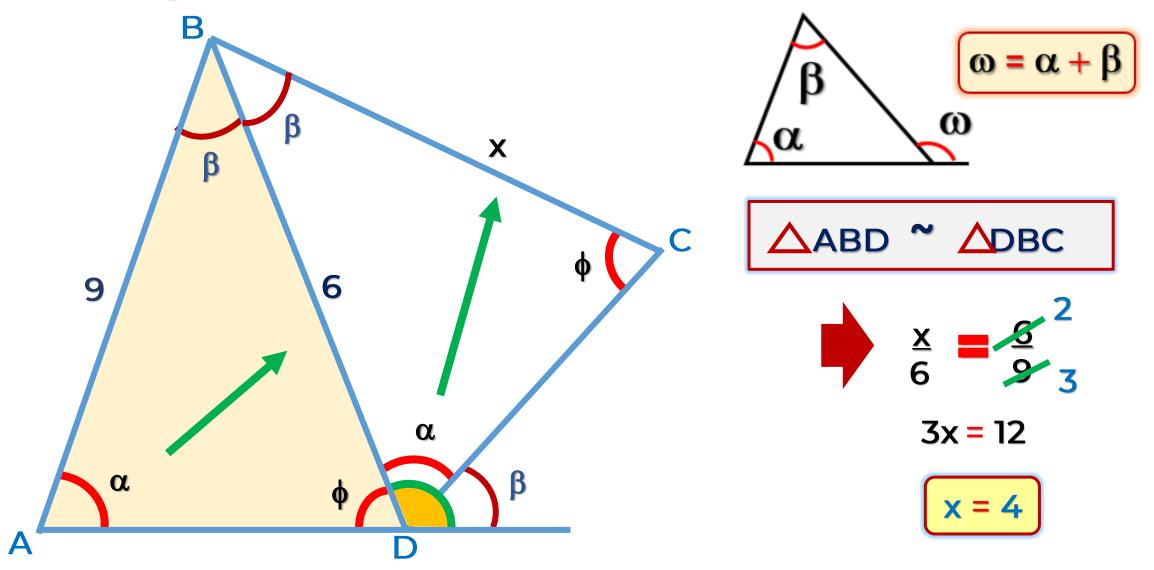


02. En la semicircunferencia, 2(AB) = 3(AD) y PC = 4. Calcule AP.



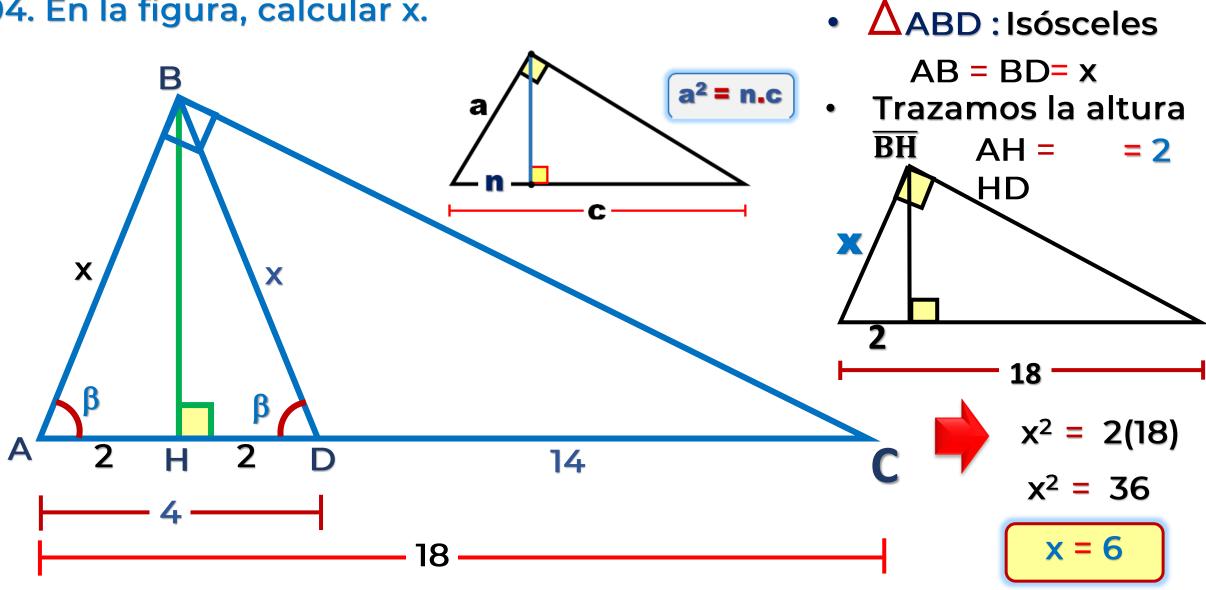


03. En la figura, calcule x.





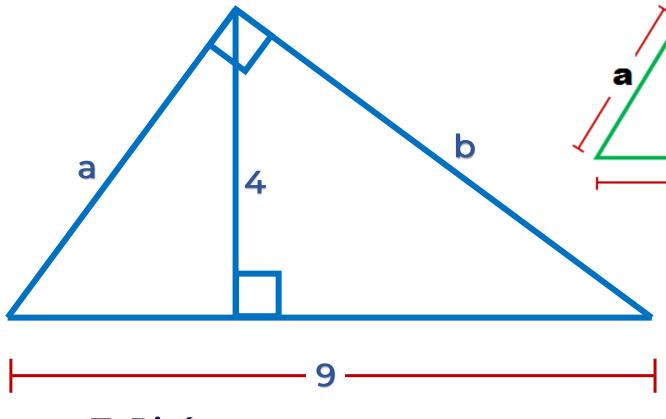
04. En la figura, calcular x.





a.b = 9.4

05. En la figura, calcular a + b.



T. Pitágoras

$$9^2 = a^2 + b^2$$

$$81 = a^2 + b^2$$



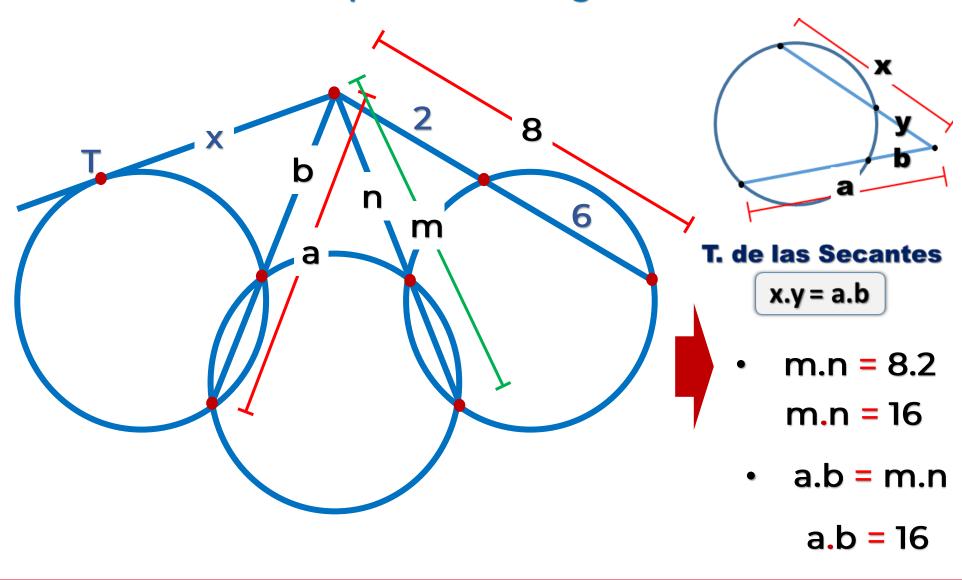
a.b = c.h

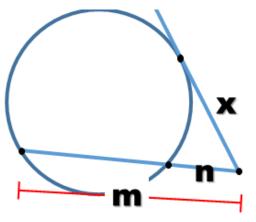
· Binomio al cuadrado

a + b =
$$3\sqrt{17}$$



06. Calcule x si T es punto de tangencia.





T. de la Tangente

$$x^2 = a.b$$

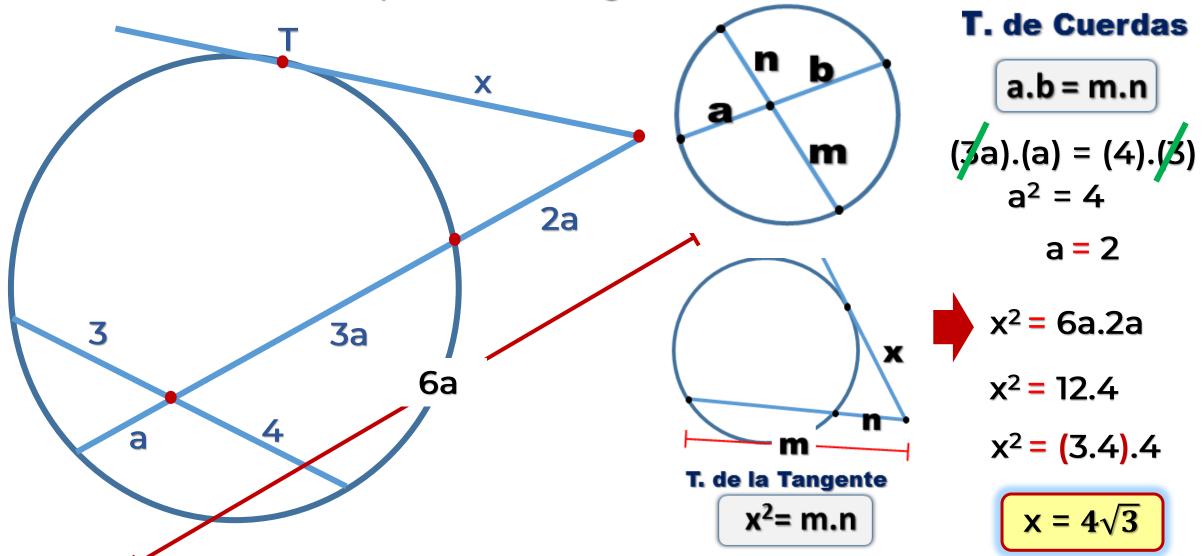
$$\downarrow$$

$$x^2 = 16$$

$$x = 4$$

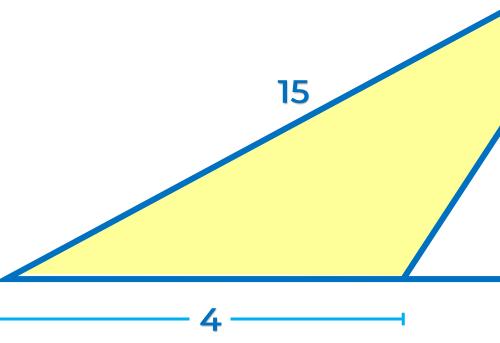


07. Calcule x, si T es punto de tangencia.

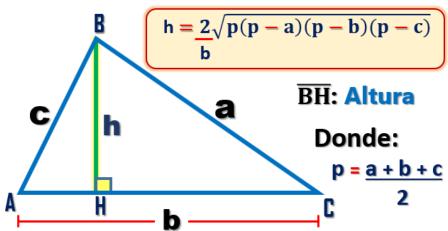








TEOREMA DE HERÓN



· Por teorema de Herón

$$x = 2\sqrt{16(16 - 13)(16 - 4)(16 - 15)}$$

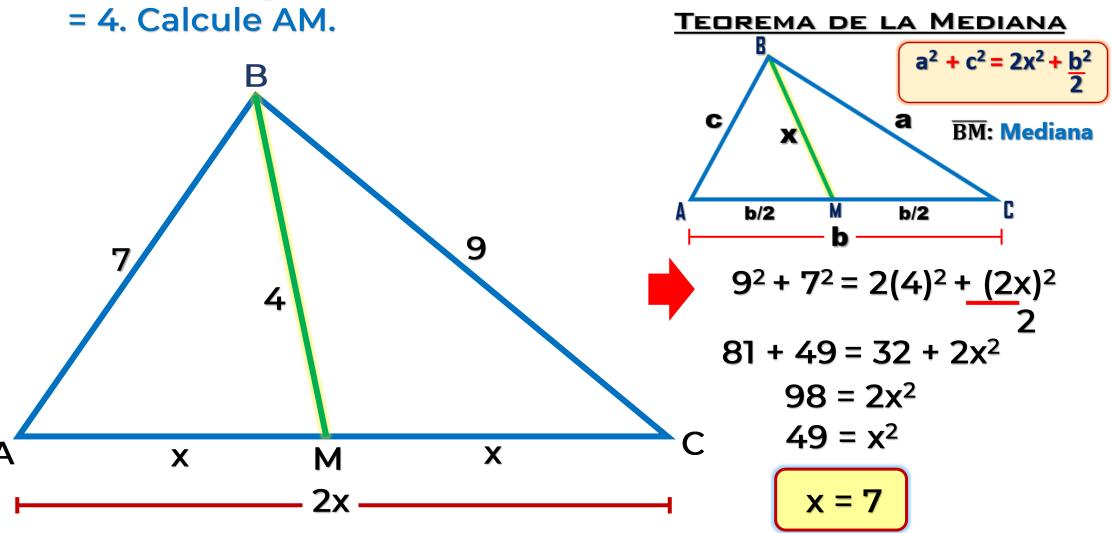
$$x = \frac{1}{2} \sqrt{\frac{16(3)(12)(1)}{36}}$$

$$x = 1(4)(6)(1)$$

$$x = 12$$

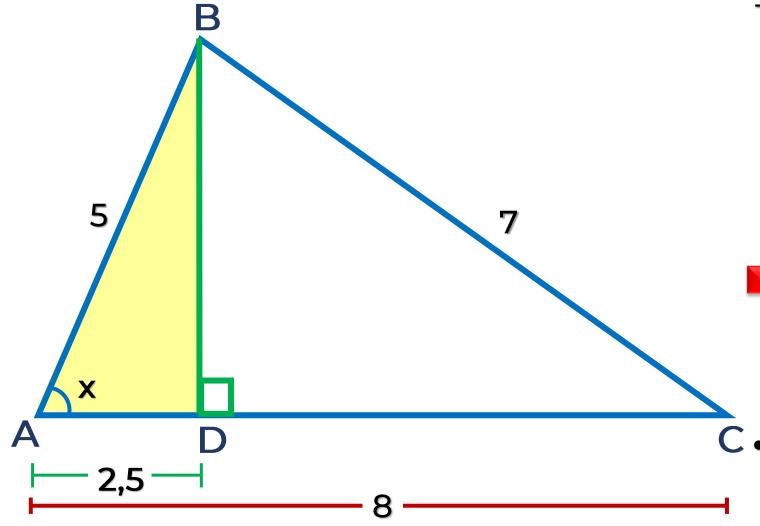


9. En un triángulo ABC se traza la mediana \overline{BM} , AB = 7, BC = 9 y BM

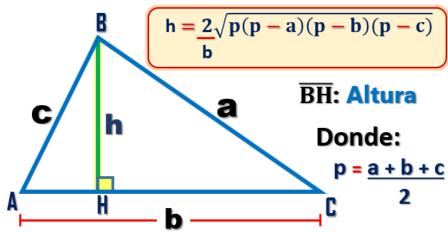




10. En la figura, calcule x.



Trazamos la altura TEDREMA DE HERÓN



$$7^2 = 8^2 + 5^2 - 2(8)(m)$$

$$49 = 64 + 25 - 16m$$

$$16m = 40$$

$$m = 2,5$$

C • ABD: Notable de 30° y