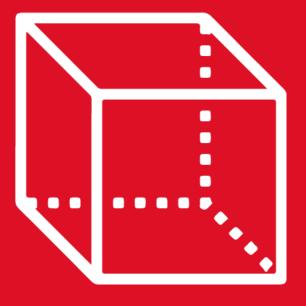
GEOMETRÍA

Capítulo 7

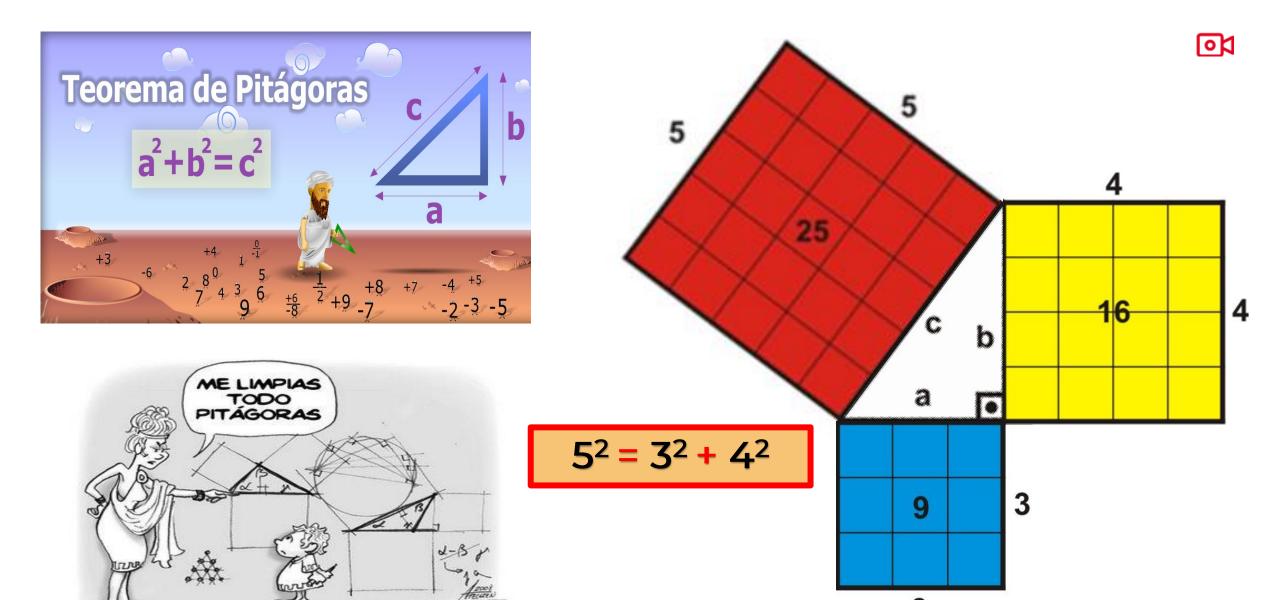
Sesión 1

2th
SECONDARY

TRIÁNGULOS RECTANGULOS NOTABLES

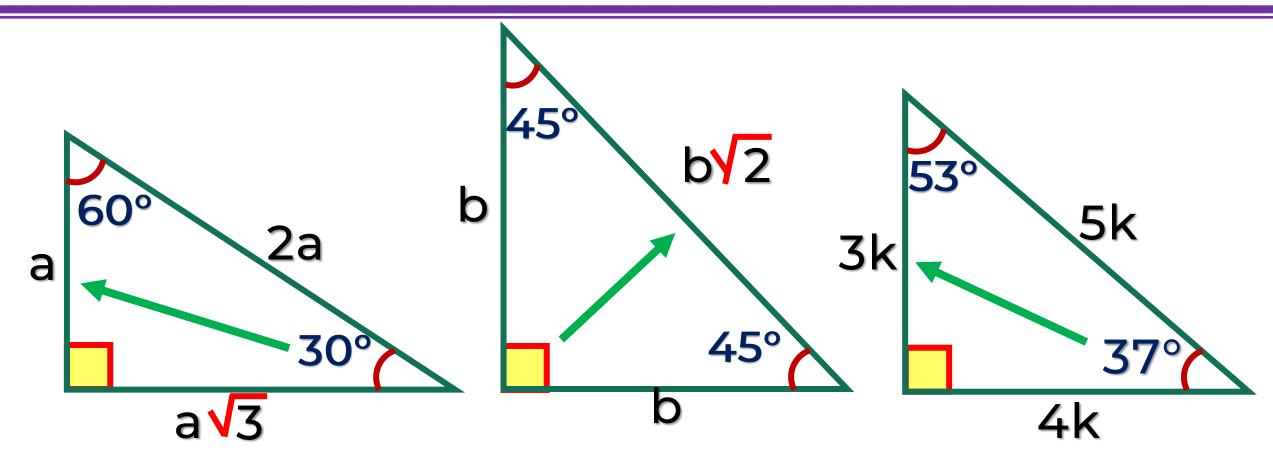






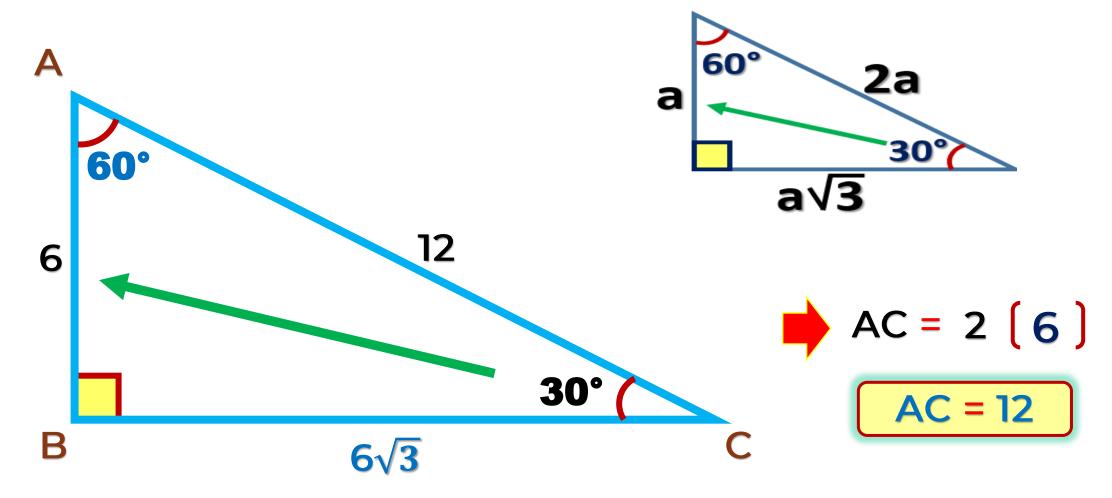


RIÁNGULOS RECTÁNGULOS NOTABLE

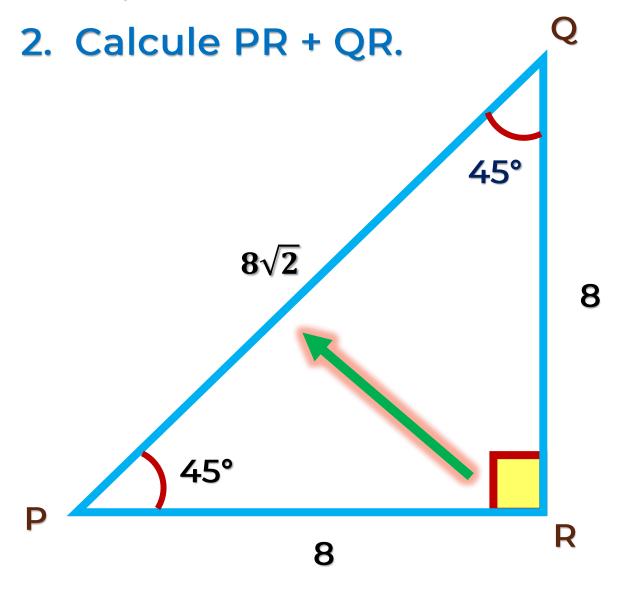


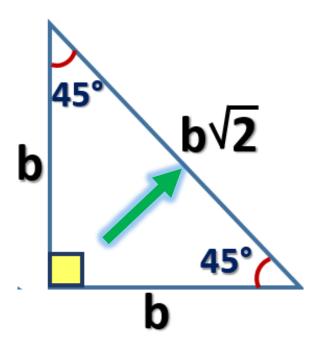


1. Se tiene un triángulo ABC, recto en B, BC = $6\sqrt{3}$ m y m<BAC = 60° , halle AC.





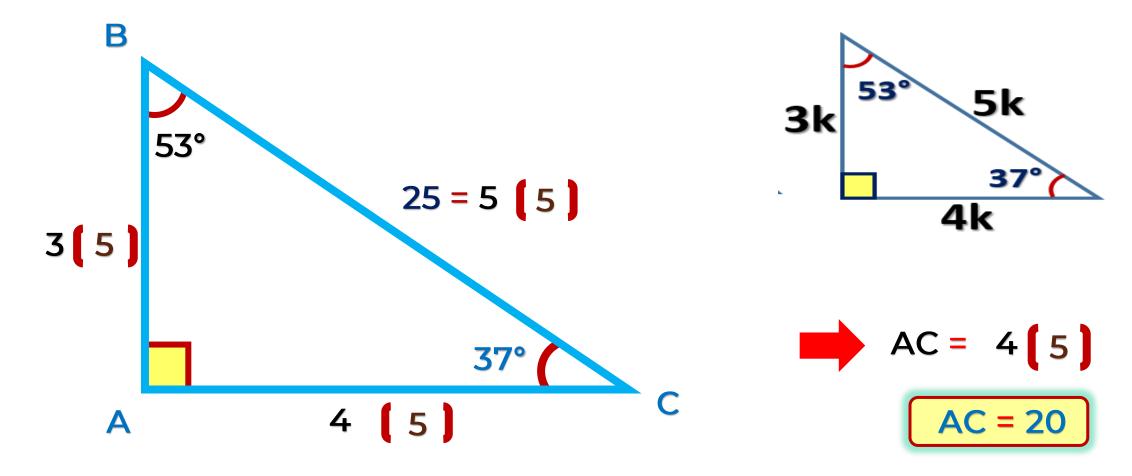


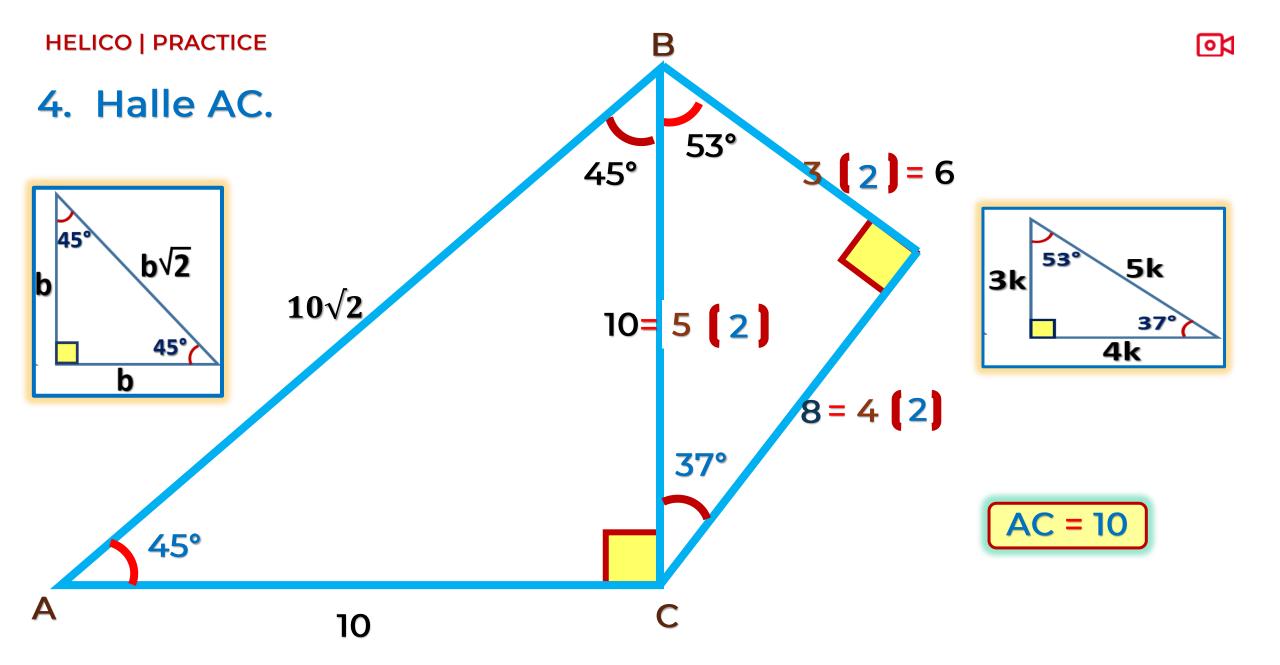


Nos piden



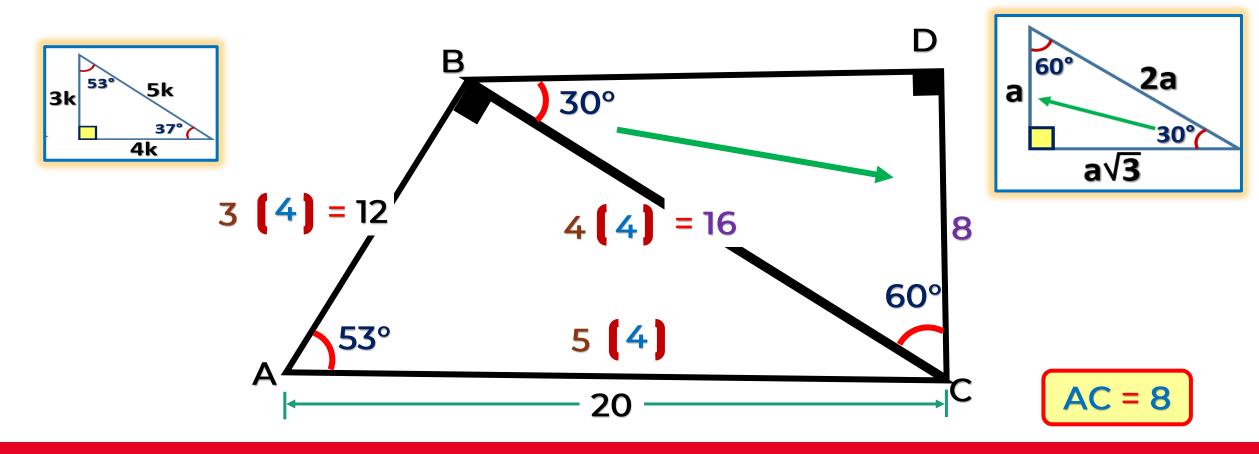
3. La hipotenusa de un triángulo rectángulo mide 25 y un ángulo agudo mide 37°. Halle la longitud del mayor cateto.



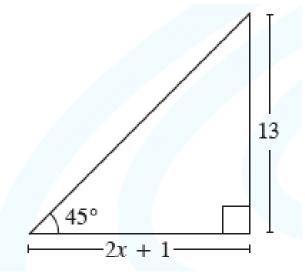




5. Se tienen los triángulos ABC, recto en B, y BCD, recto en D, D exterior relativo a BC. Si m<BAC=53°, m<BCD=60° y AC=20, halle CD.

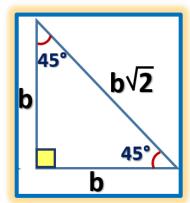


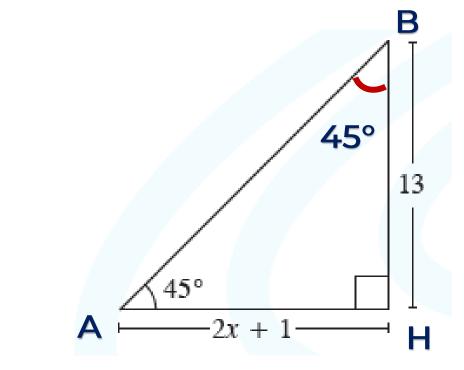
6. Halle el valor de x.



Solución







Sus catetos tienen igual longitud

$$AH = HB$$

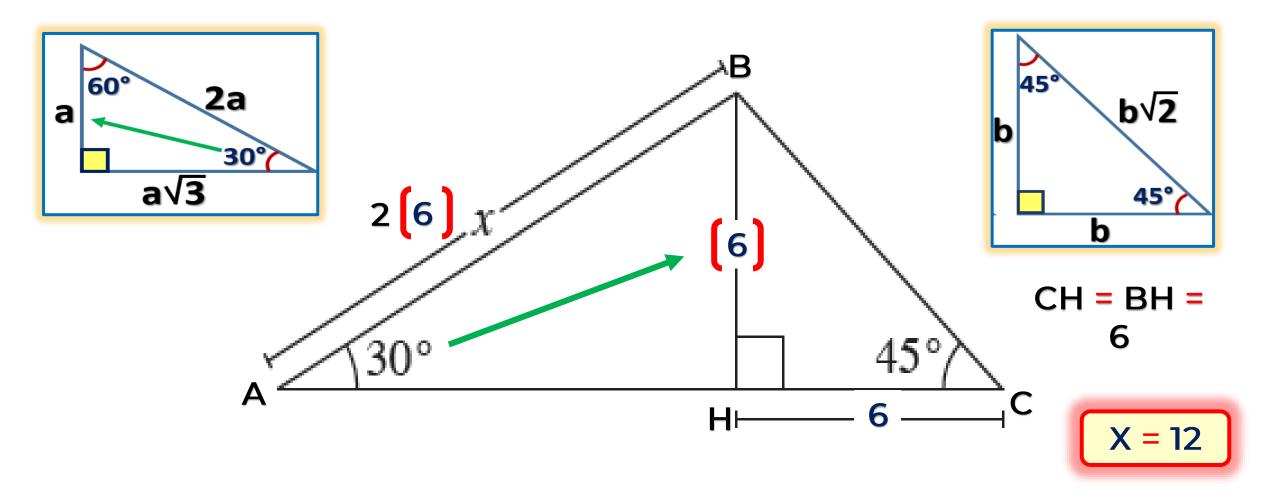
$$2x + 1 = 13$$

$$2x = 12$$

X = 6

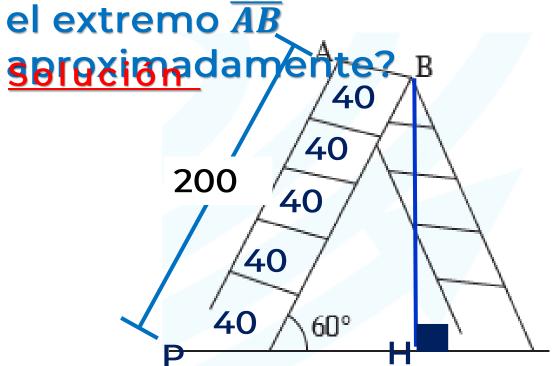


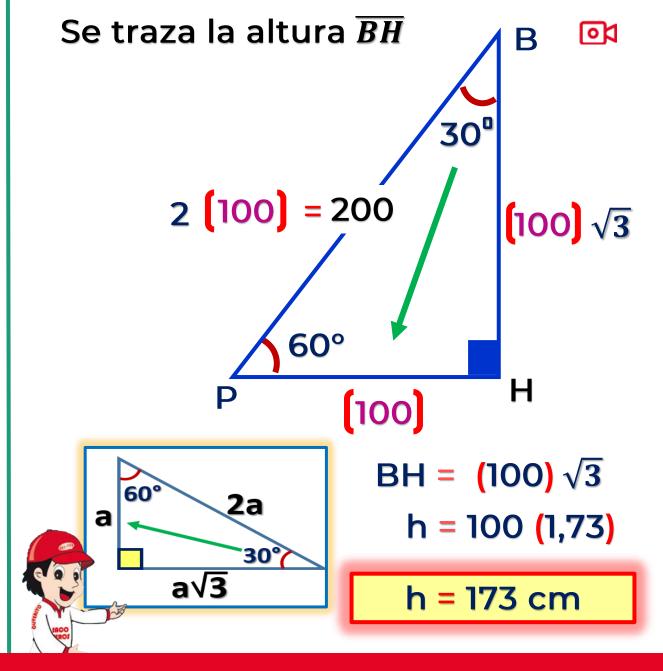
7. Halle el valor de x.



HELICO | PRACTICE

8. Se muestra una escalera, de 4 peldaños equidistantes 40cm, unidos por una bisagra \overline{AB} . ¿A qué altura se encuentra el extremo \overline{AB}





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