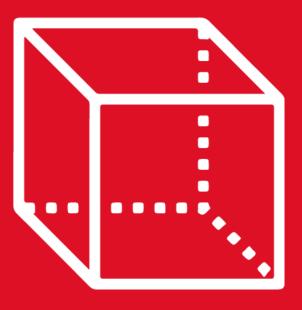


# GEOMETRÍA TOMO VI



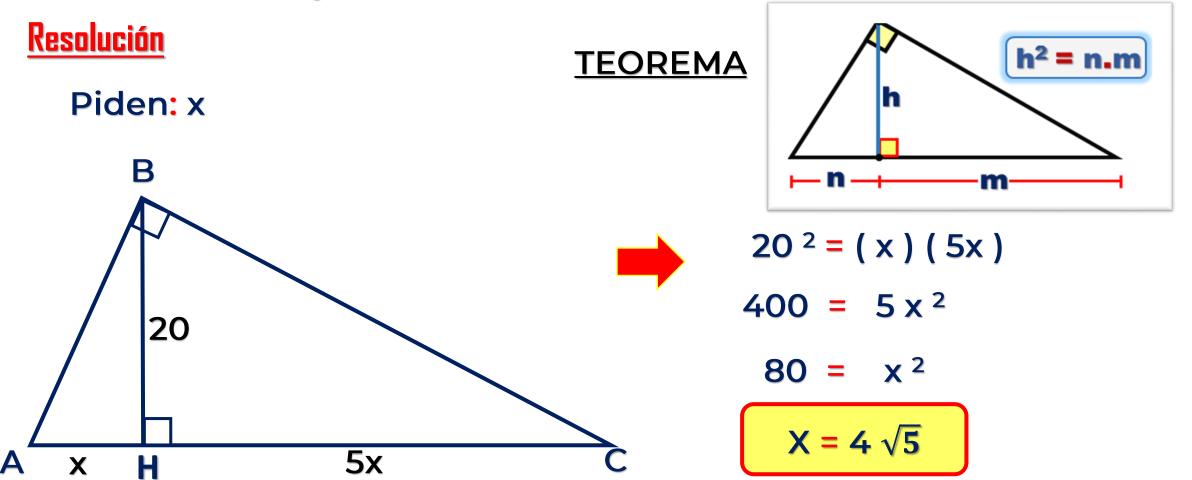
Asesoría





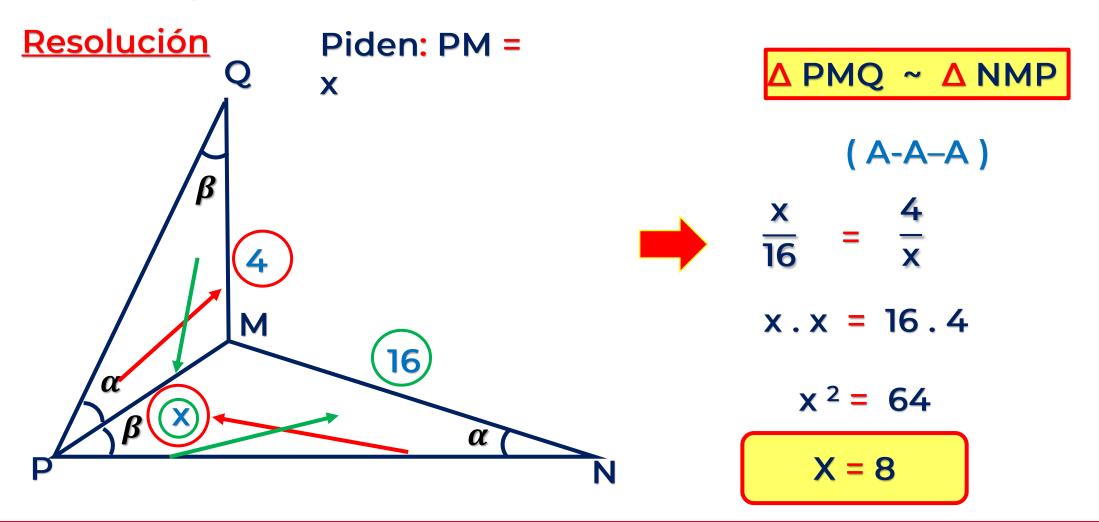


1. En un triángulo ABC, recto en B de traza la altura  $\overline{BH}$ . Si AH= x, HC= 5x y BH = 20, halle el valor de x



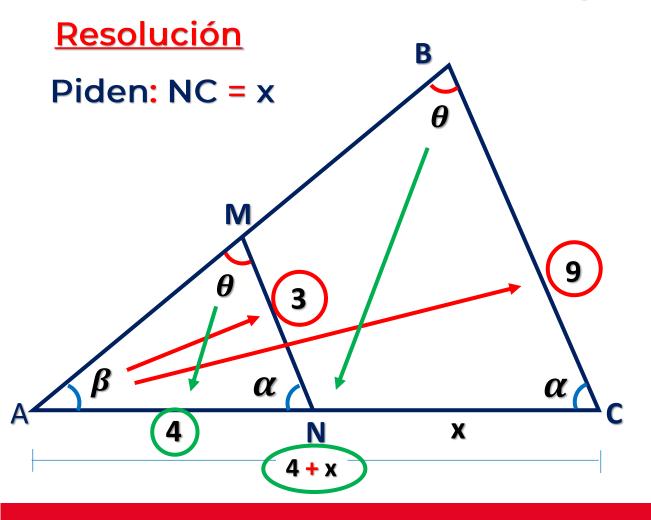


## 2. En la figura, QM = 4, MN = 16, halle el valor de PM

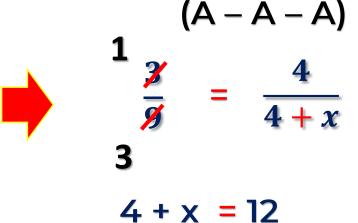




3. Se tiene un triángulo ABC, donde  $M \in \overline{AB}$ ,  $N \in \overline{AC}$  y m<ANM = m<ACB. Si BC = 9m, MN = 3m y AN = 4m; halle NC.

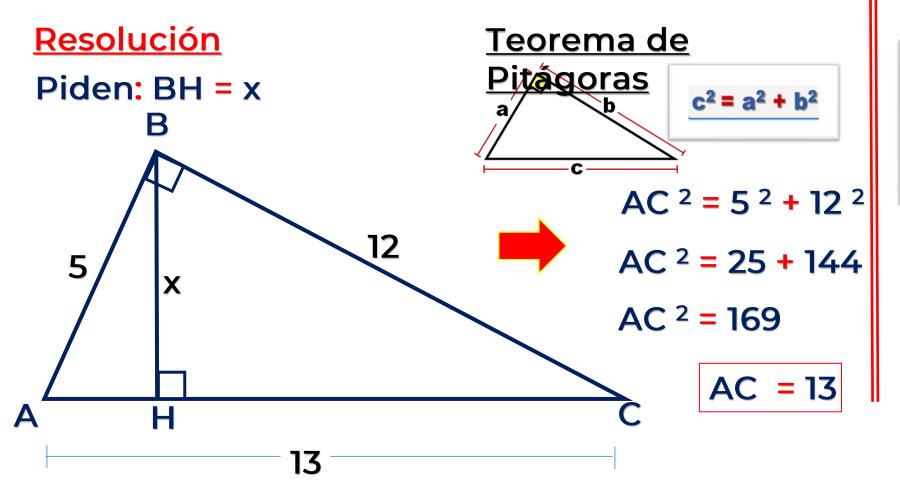


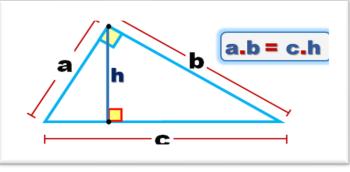






4. En un triángulo ABC, recto en B de traza la altura  $\overline{BH}$ . Si AB= 5, BC= 12, halle el valor de BH





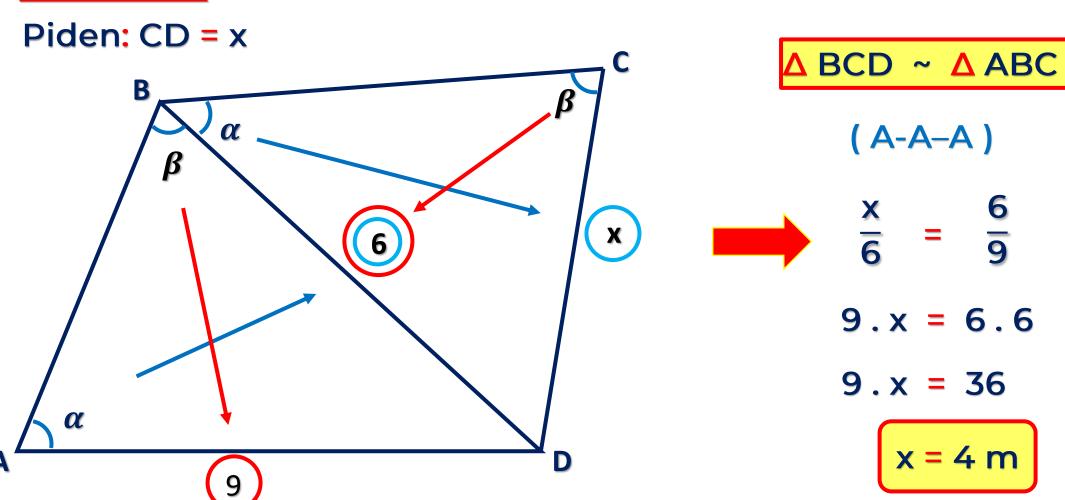
$$(5)(12) = (13)(x)$$

$$60 = 13x$$

$$BH = \frac{60}{13}$$

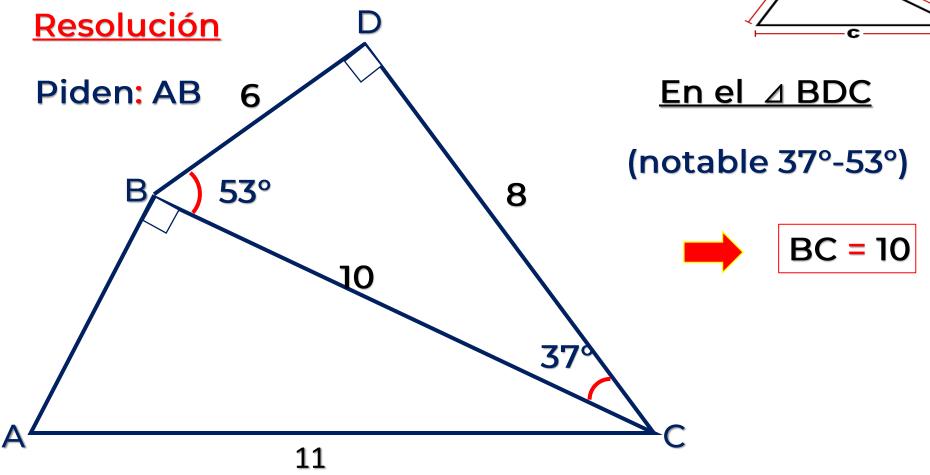


5. En la figura, si AD = 9m y BD = 6m, halle el valor de CD Resolución





6. En el gráfico, halle el valor de AB



 $c^2 = a^2 + b^2$ 

Teorema de

**Pitágoras** 

$$AB^2 + 10^2 = 11^2$$

En el ⊿ ABC

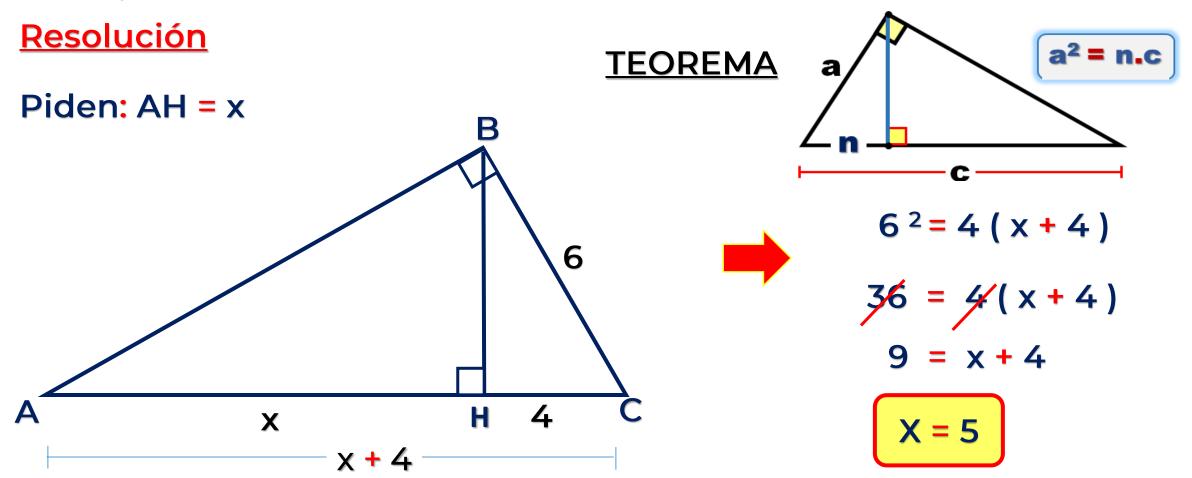
$$AB^2 + 100 = 121$$

$$AB^2 = 21$$

$$AB = \sqrt{21}$$

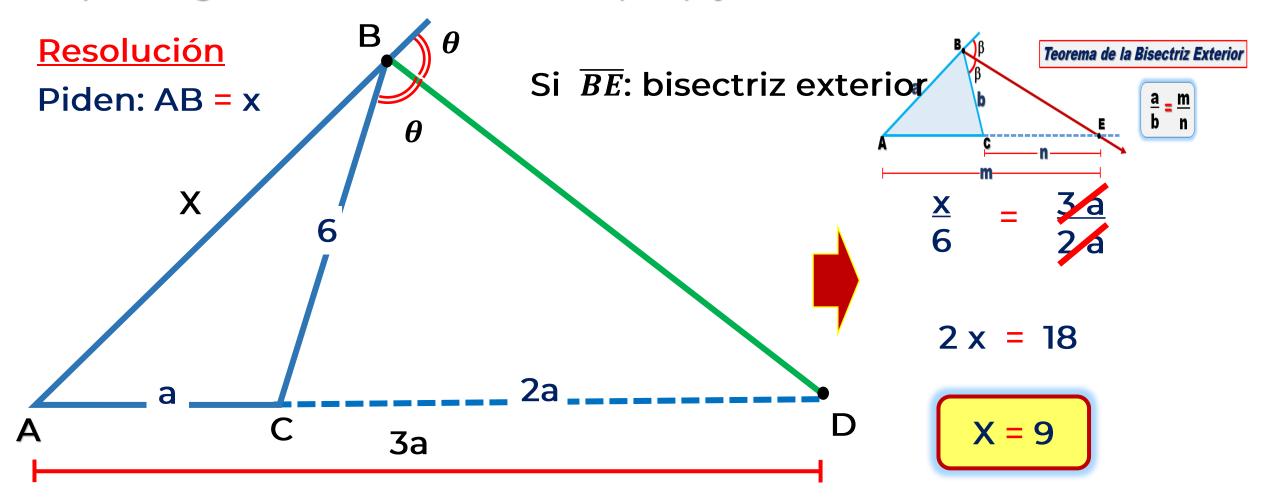


7. En un triángulo ABC, recto en B de traza la altura  $\overline{BH}$ . Si HC= 4, BC= 6, halle el valor de AH





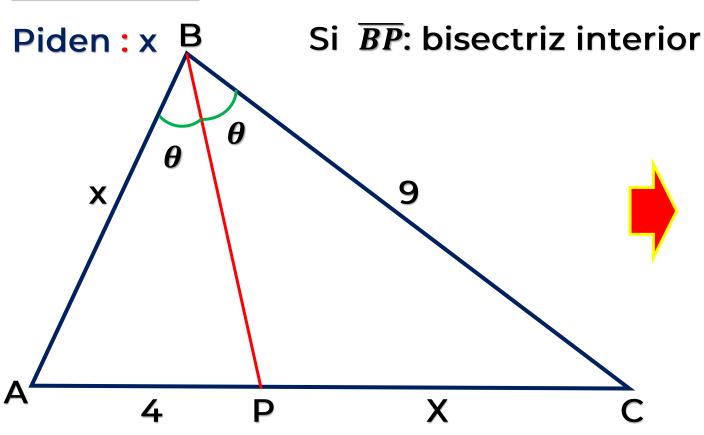
8. En el triángulo ABC se traza la bisectriz exterior  $\overline{BD}$ , donde D  $\in$  a la prolongación de  $\overline{AC}$ . Si CD = 2 (AC) y BC = 6. halle AB

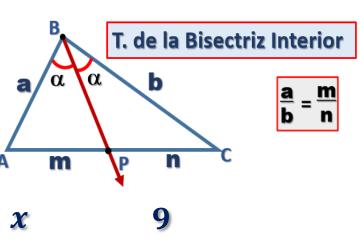




### 9. Halle el valor de x.

## Resolución





$$\frac{x}{4} = \frac{9}{x}$$

$$x.x = (4).(9)$$

$$x^2 = 36$$

$$X = 6$$



10. Se tiene un triángulo ABD, donde  $C \in \overline{BD}$ ,  $E \in \overline{AD}$  y m<BAD = m<ECD. Si AB = 10, BD = 15 y ED = 6; halle CE.

