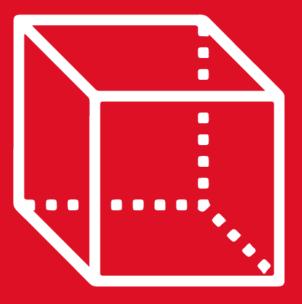


GEOMETRÍA Capítulo 1

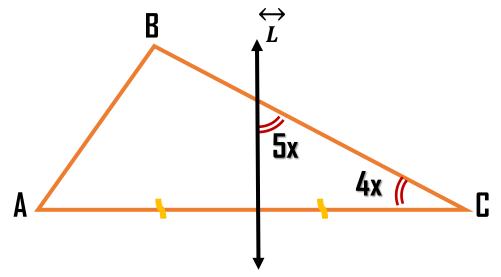


Repaso



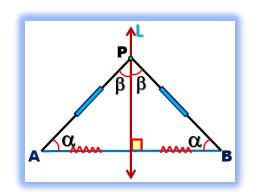


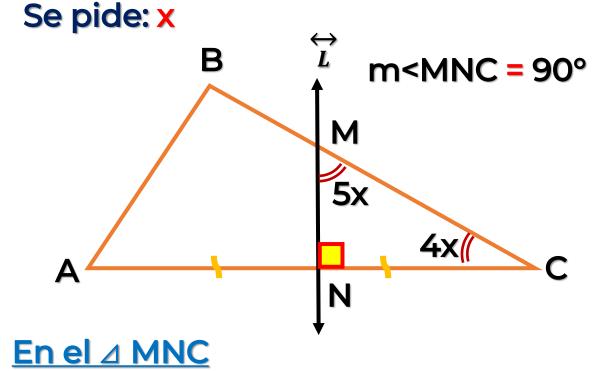
1. Si L es mediatriz de \overline{AC} , halle el valor de x.



Resolución L es mediatriz de AC

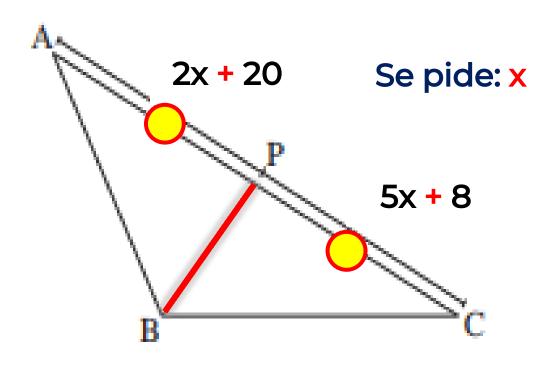
Teorema de la mediatriz.



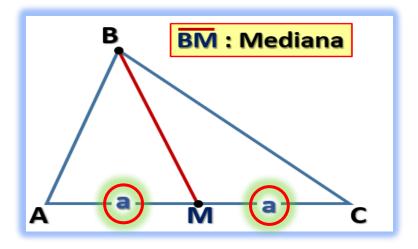




2. Halle el valor de x, sabiendo que \overline{BP} es mediana.



Si BP es mediana



$$AP = PC$$

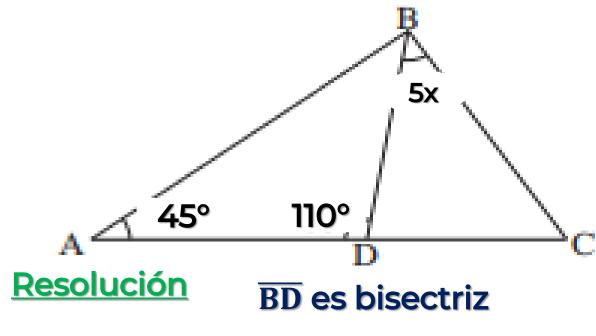
$$2x + 20 = 5x + 8$$

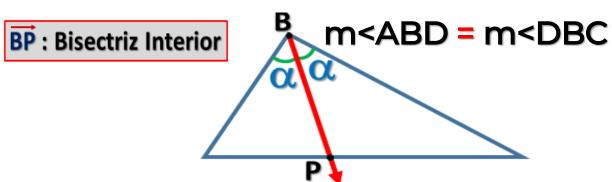
 $12 = 3x$

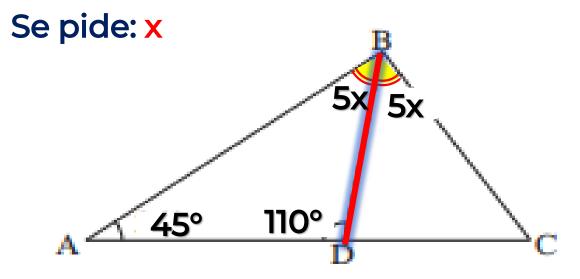
HELICO | PRACTICE



3. Si BD es bisectriz, halle el valor de x.







En el ⊿ ABD

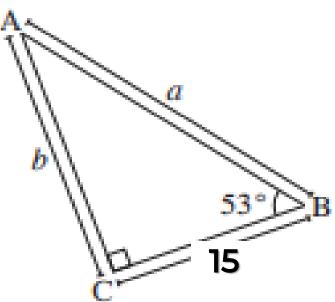
$$45^{\circ} + 110^{\circ} + 5x = 180^{\circ}$$

 $155^{\circ} + 5x = 180^{\circ}$
 $5x = 25^{\circ}$

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

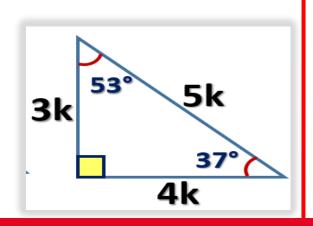


4. Calcule la diferencia de a y b

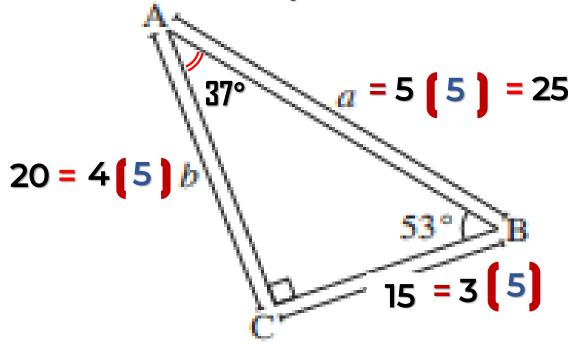


Resolución

_⊿ ACB (53° y 37°)



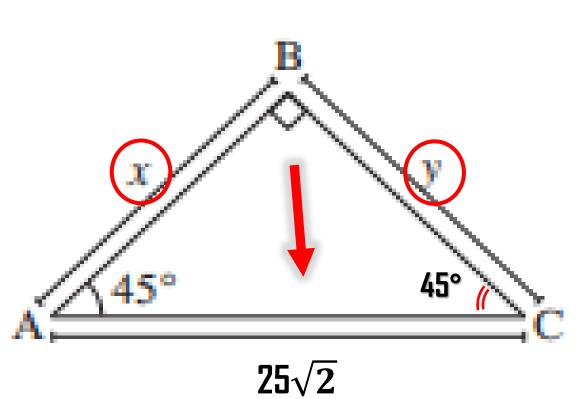




a - b = 5



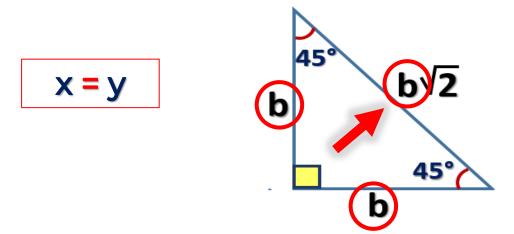
5. En el gráfico, halle el valor de (x + y).



Resolución

Se pide: x + y

En el ⊿ ACB(45° y 45°)



$$AC = 25\sqrt{2} = x\sqrt{2}$$

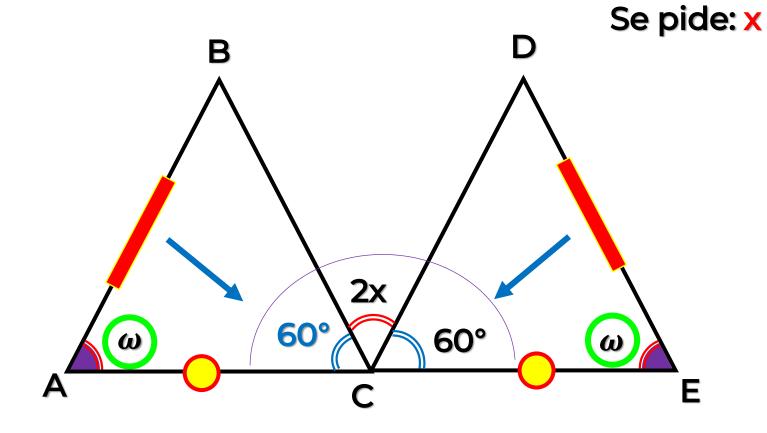
$$x = 25$$

$$y = 25$$

$$x + y = 50$$



6. Del gráfico, halle el valor de x. Si AB = DE y AC = CE.



▲ABC ≅ **▲EDC**

(L-A-L)

En el vértice C

$$60^{\circ} + 60^{\circ} + 2x = 180^{\circ}$$

$$120^{\circ} + 2x = 180^{\circ}$$

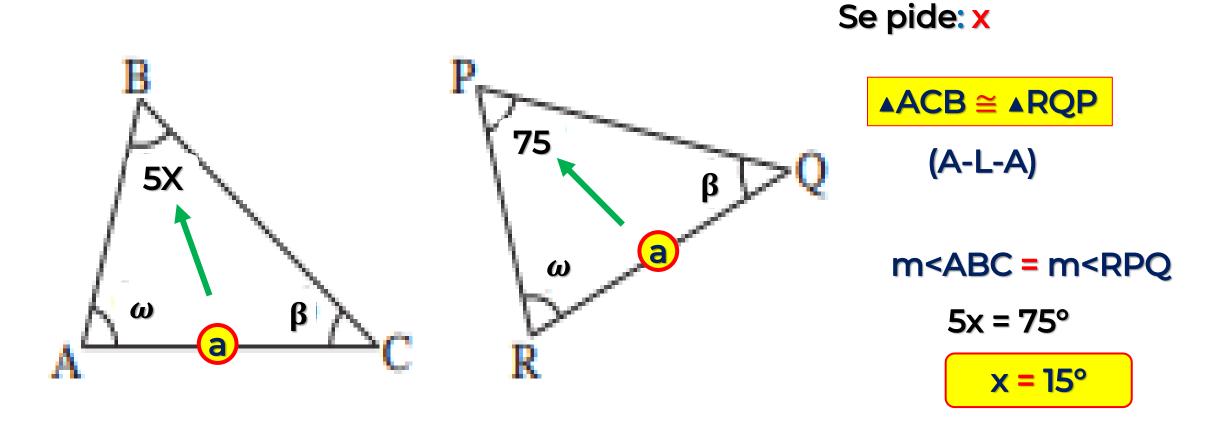
$$2x = 60^{\circ}$$

$$x = 30^{\circ}$$

m < DCE = m < BCA = 60°



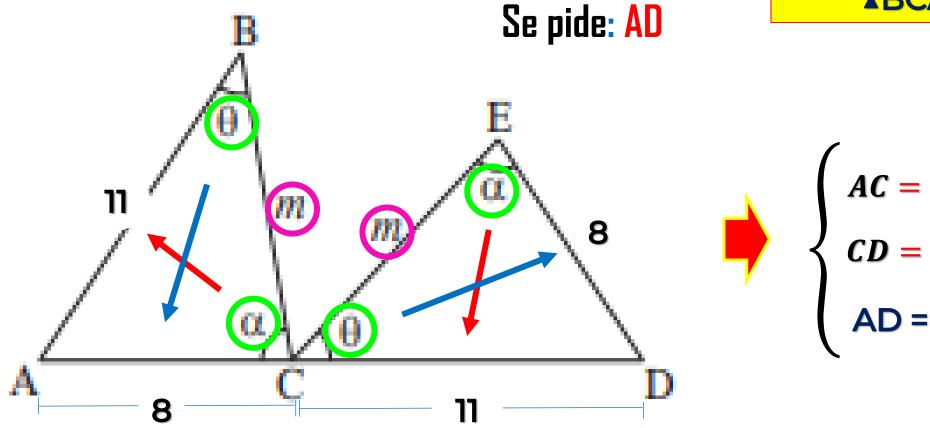
7. Del gráfico, si $AC \cong RQ$, halle el valor de x.



HELICO | PRACTICE



8. En el gráfico, halle AD.



▲BCA ≅ ▲CED

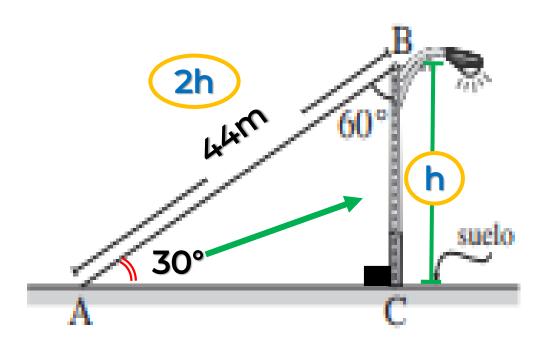
$$\begin{cases} AC = ED = 8 \\ CD = AB = 11 \end{cases}$$

$$AD = AC + CD$$

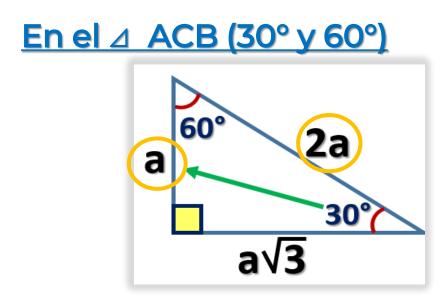
$$8 + 11$$

AD = 19

9. En la figura En la figura, se muestra un poste de alumbrado público, calcule la altura de dicho poste.



Se pide: h



$$AB = 2h$$

$$44 = 2h$$

h = 22 m



10. En el gráfico, halle el valor de x.

