

GEOMETRÍA Capítulo 1

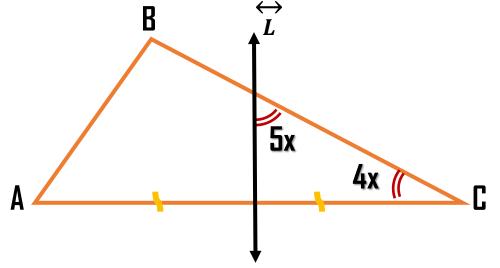


Repaso



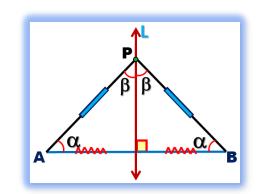


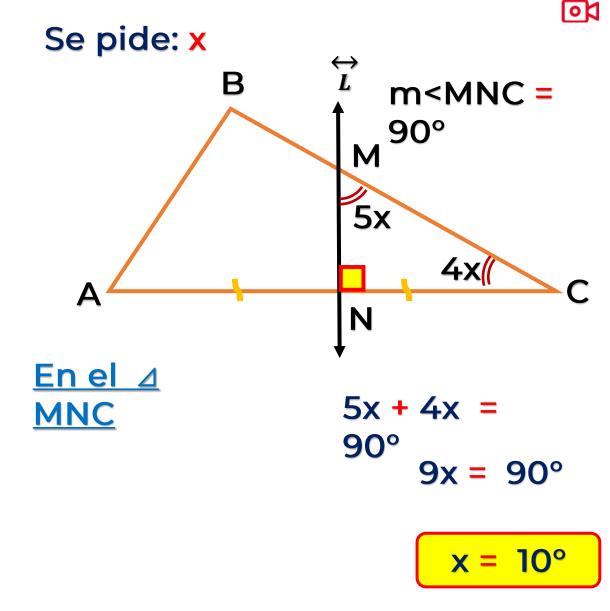
1. Si es L mediatriz de \overline{AC} , halle el valor de x.



Resolución \overrightarrow{L} Es mediatriz de \overline{AC}

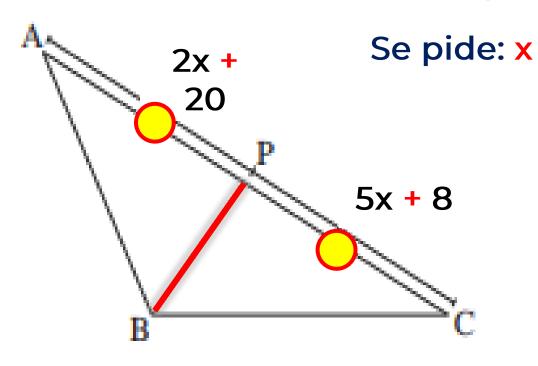
Teorema de la mediatriz.



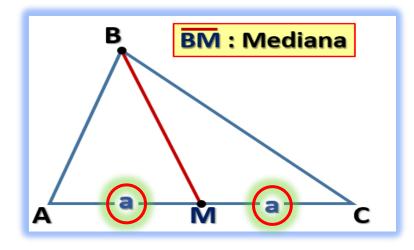




2. Halle el valor de x, sabiendo que \overline{BP} es mediana.



Si \overline{BP} es mediana





$$AP = PC$$

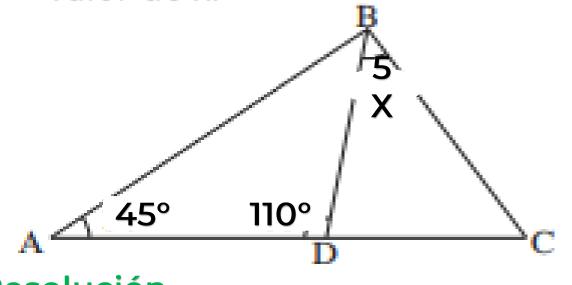
$$2X + 20 = 5X + 8$$

 $12 = 3X$

4 = x



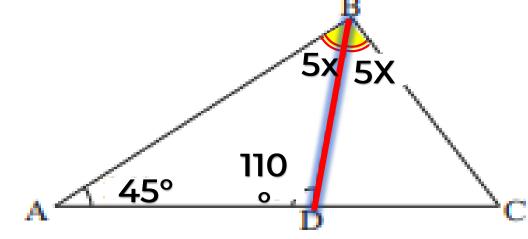
3. Si **BD** es bisectriz, halle el valor de x.





Ρ





En el ⊿ ABD



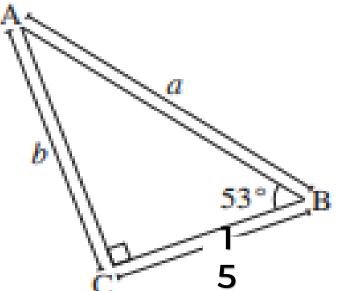
$$45^{\circ} + 110^{\circ} + 5X = 180^{\circ}$$

$$5X = 25^{\circ}$$

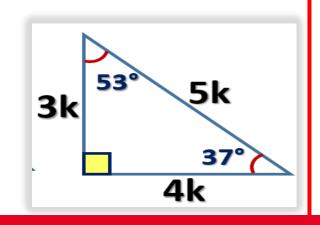


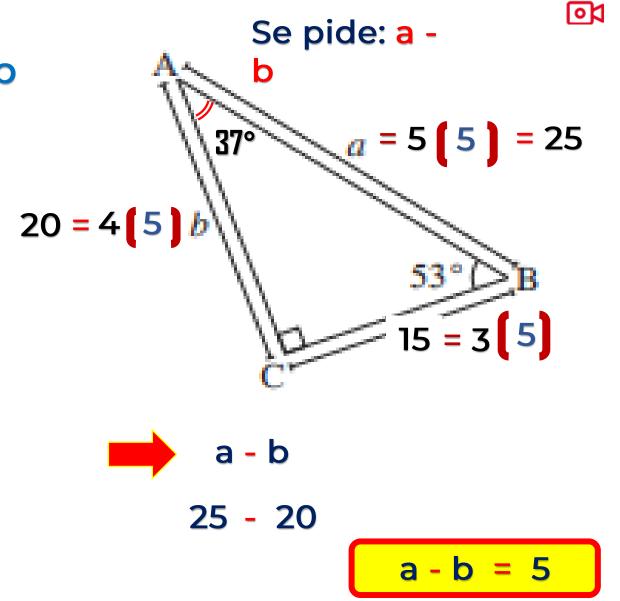
01

4. Calcule la diferencia de a y b

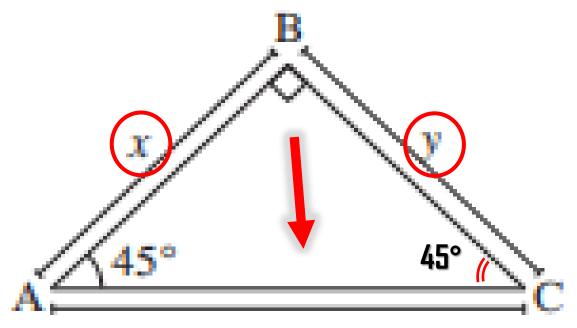


Resolución





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



 $25\sqrt{2}$

Resolución

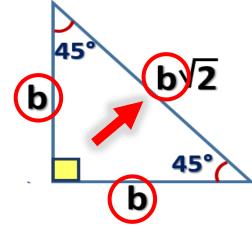
Se pide: x +

У



En el ⊿ ACB (45° y 45°)

$$x = y$$



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

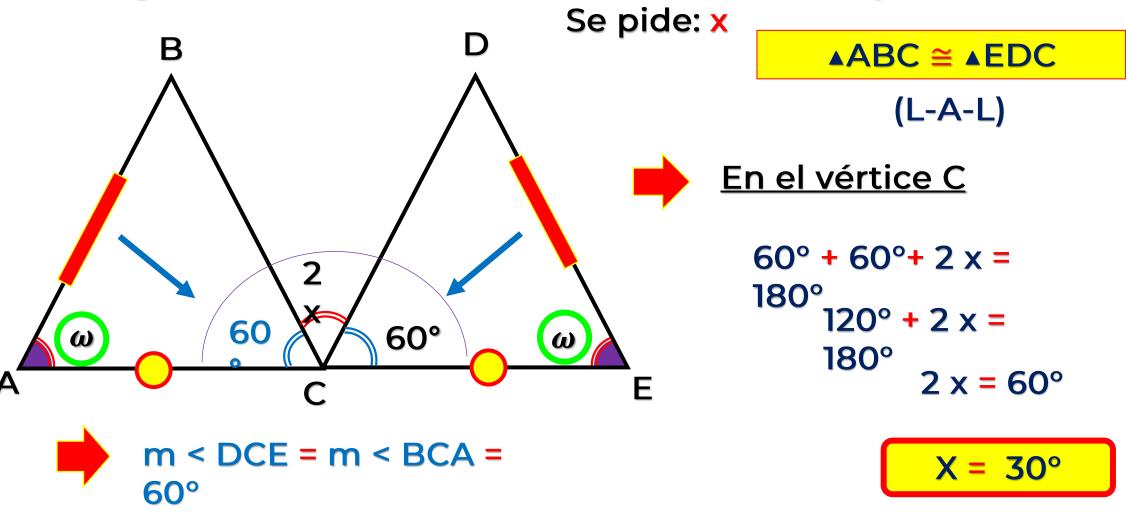
$$x = 25$$

$$y = 25$$

$$x + y = 50$$

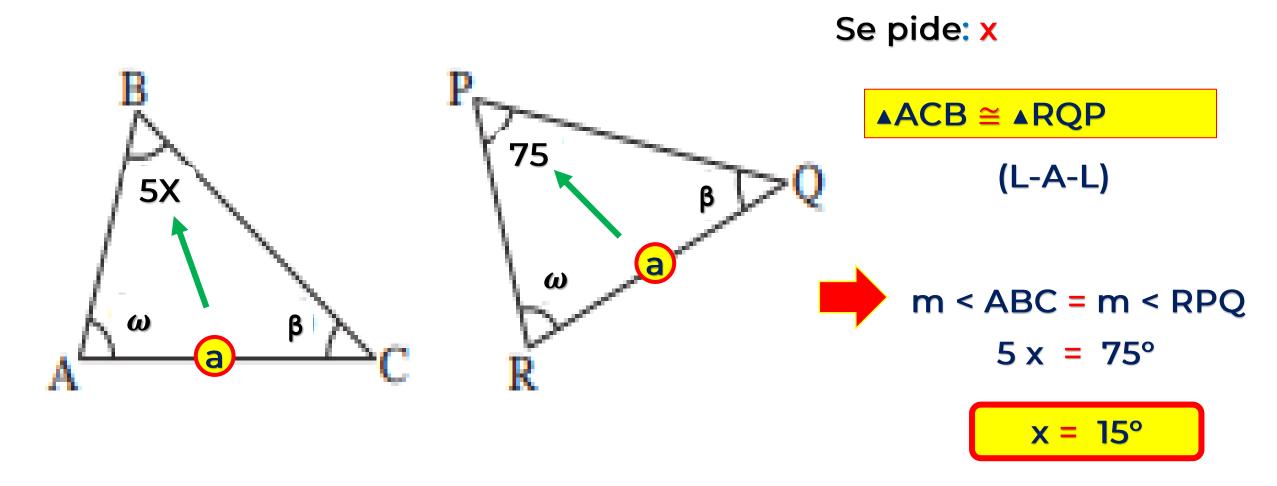


6. Del gráfico, halle el valor de x. Si AB = DE y AC = CE.



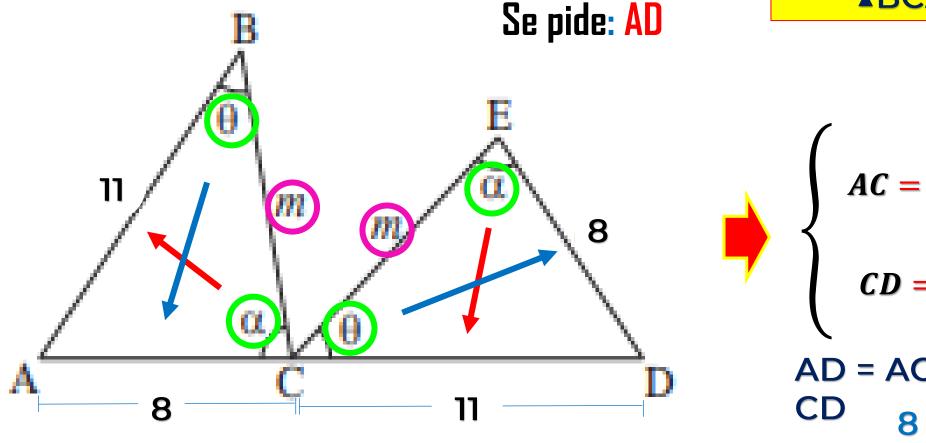


7. Del gráfico, si $AC \cong RQ$, halle el valor de x.





8. En el gráfico, halle AD.



ABCA ≅ **ACED**

$$(A-L-A)$$

$$AC = ED = 8$$

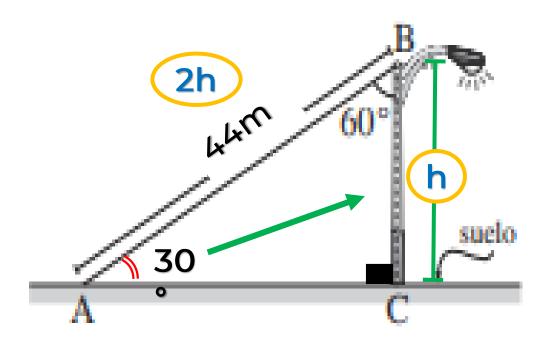
$$CD = AB = 11$$

$$AD = AC + CD$$

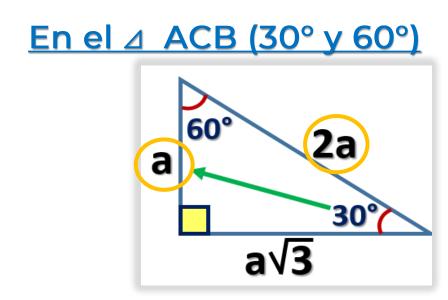
$$8 + 11$$



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



Se pide: h



h = 22 m



10. En el gráfico, halle el valor de x

