

GEOMETRÍA RETROALIMENTACIÓN



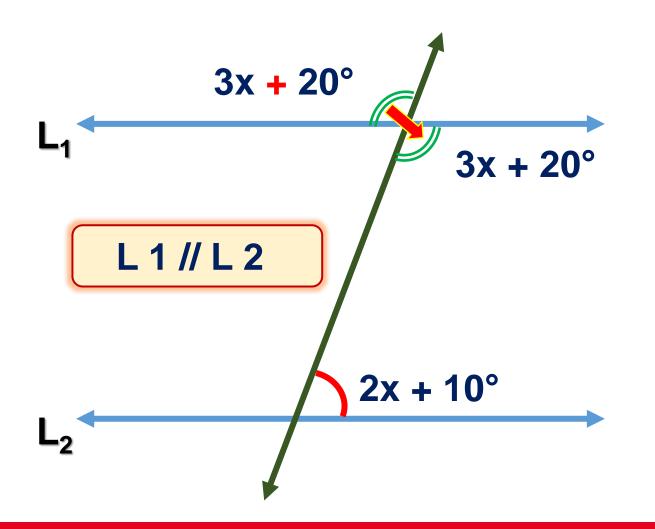
TOMO 2

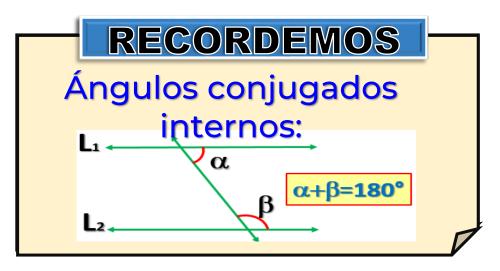






1. Si $\overrightarrow{L_1} /\!\!/ \overrightarrow{L_2}$, halla el valor de x.



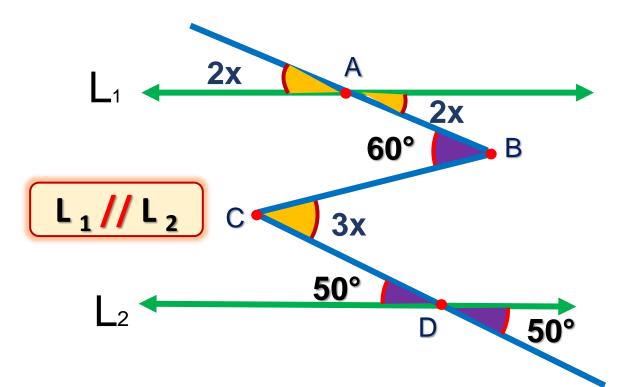


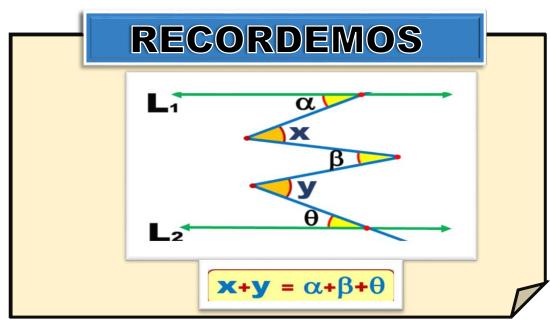
$$x + 20^{\circ} + 2x + 10^{\circ} = 180^{\circ}$$
 $5x + 30^{\circ} = 180^{\circ}$
 $5x = 150^{\circ}$

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



2. Si $\overrightarrow{L_1} /\!\!/ \overrightarrow{L_2}$, halle x.





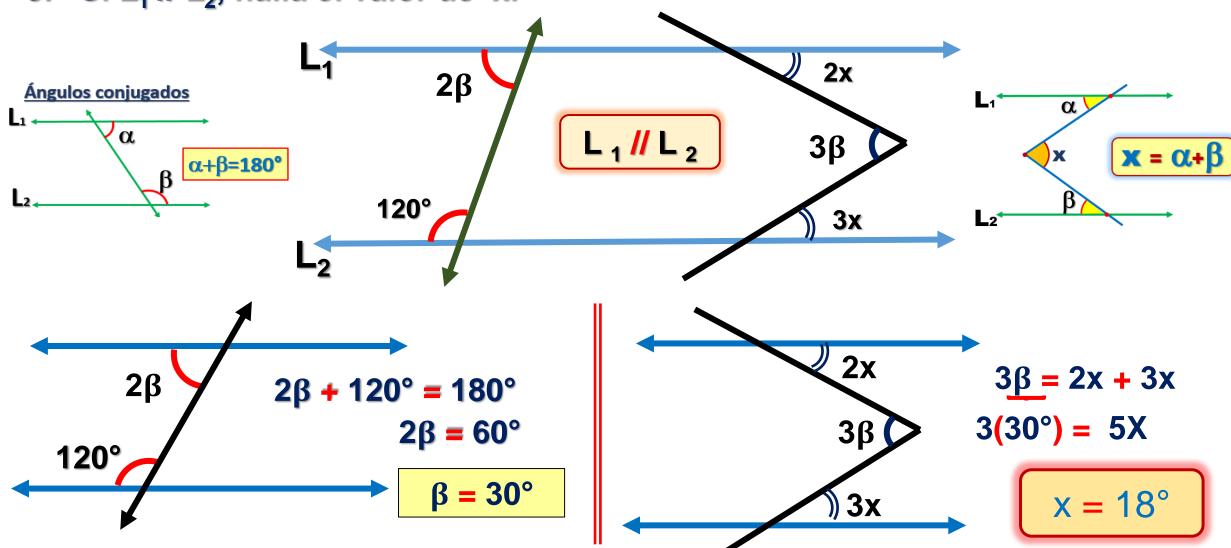
$$3x + 2x = 60^{\circ} + 50^{\circ}$$

 $5x = 110^{\circ}$

$$x = 22^{\circ}$$

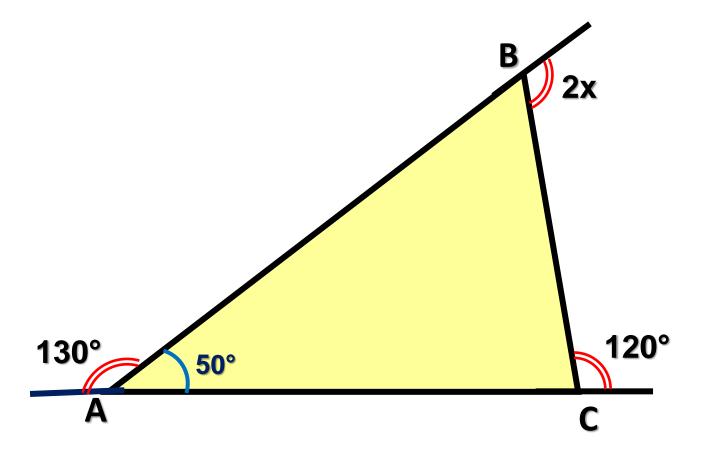


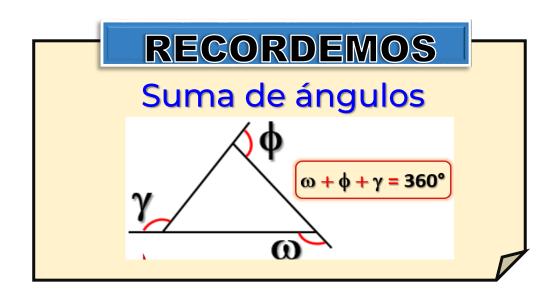
3. Si $\overrightarrow{L_1} /\!\!/ \overrightarrow{L_2}$, halla el valor de x.





4. En el gráfico, halla el valor de x.



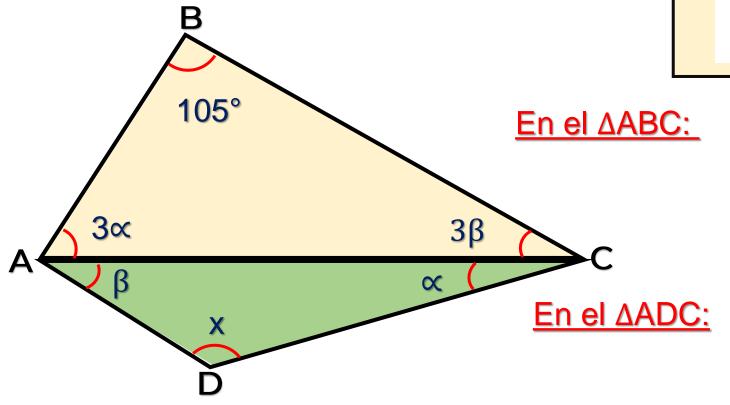


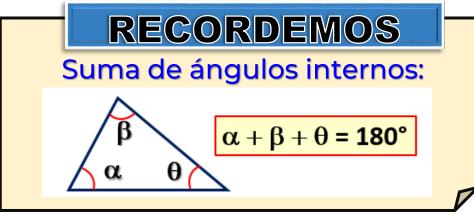
$$2x + 130^{\circ} + 120^{\circ} = 360^{\circ}$$

 $2x + 250^{\circ} = 360^{\circ}$
 $2x = 110^{\circ}$

$$x = 55^{\circ}$$

5. En el gráfico, halla el valor de x.





$$3 \propto +3 \beta + 105^{\circ} = 180^{\circ}$$
$$3 \propto +3 \beta = 75^{\circ}$$
$$\propto +\beta = 25^{\circ}$$

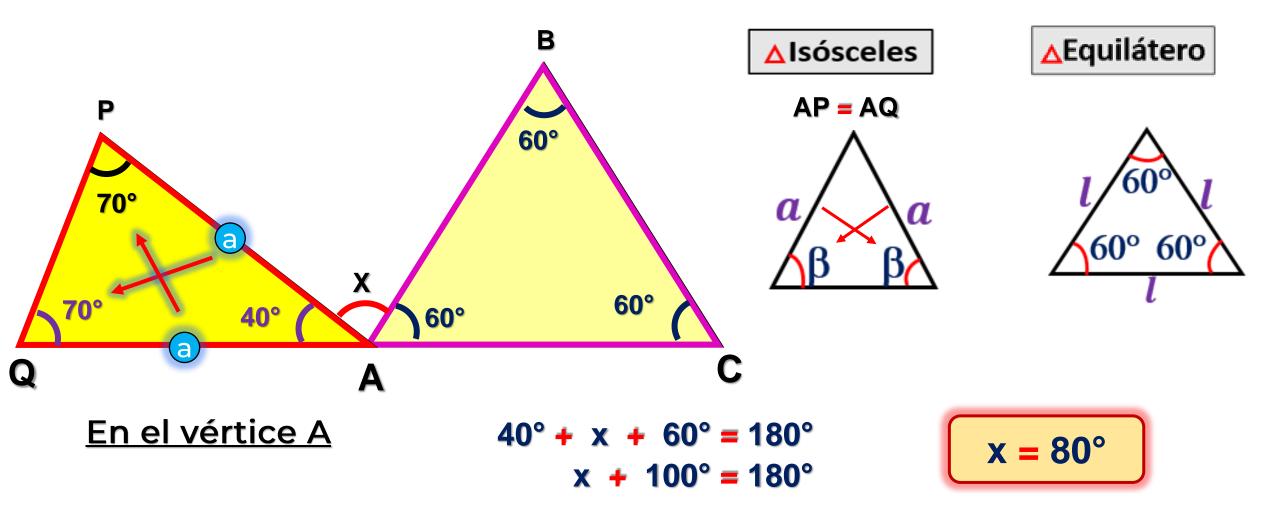
$$\alpha + \beta + x = 180^{\circ}$$

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

$$x = 155^{\circ}$$

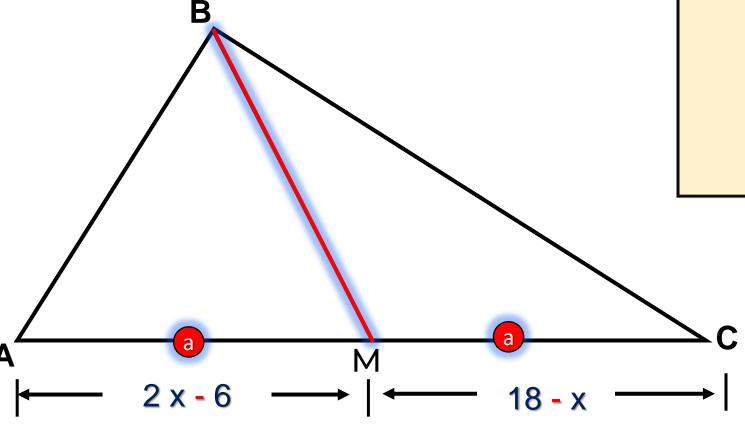


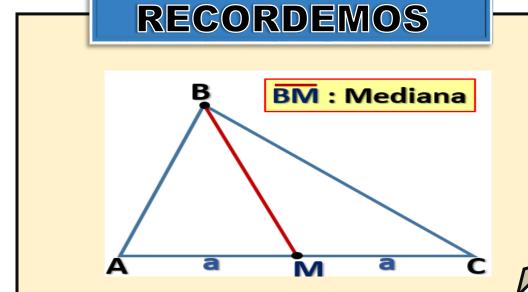
6. Si el triángulo ABC es equilátero y AP = AQ. Halle x









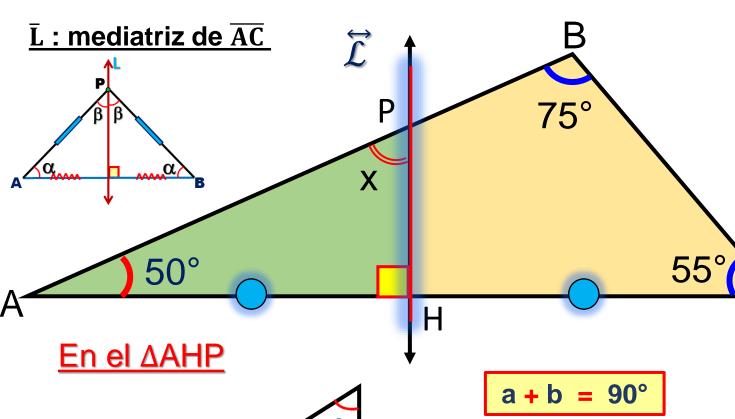


$$AM = MC$$
 $2x-6 = 18-x$
 $3x = 24$

x = 8

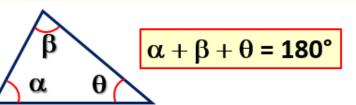


8. Si $\stackrel{\hookrightarrow}{\mathcal{L}}$ es la mediatriz relativa \overline{AC} . Hallar el valor de x



RECORDEMOS

Suma de ángulos internos:

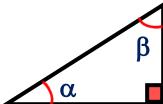


En el AABC

$$75^{\circ} + 55^{\circ} + m \le A = 180^{\circ}$$

$$m \triangleleft A = 50^{\circ}$$

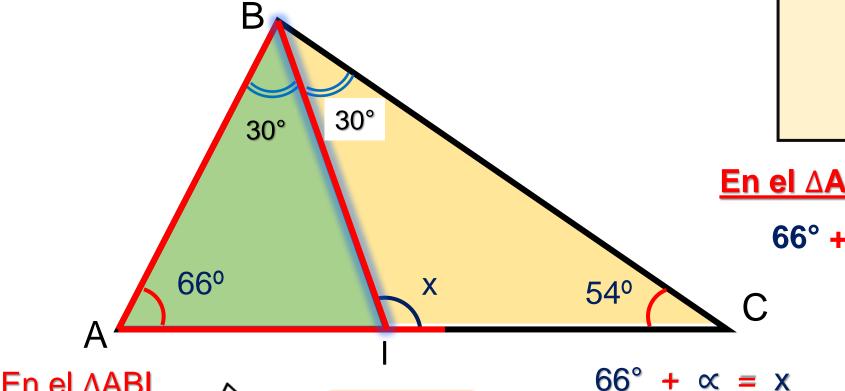
01

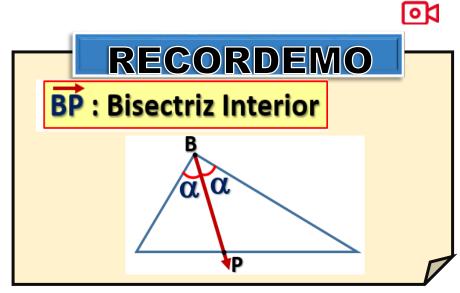


$$50^{\circ} + x = 90^{\circ}$$

$$x = 40^{\circ}$$

9. Si BI es bisectriz interior del triángulo ABC, halle el valor de x.





En el ∆ABC

$$66^{\circ} + 2 \times + 54^{\circ} = 180^{\circ}$$

$$\beta \qquad \omega = \alpha + \beta$$

$$\omega$$

$$66^{\circ} + \propto = x$$

$$66^{\circ} + 30^{\circ} = x$$

$$x = 96^{\circ}$$



10. En la figura se muestra una escalera doble pie, si el ángulo exterior de la base mide 110°, halle el ángulo que mide en la parte superior entre ambos peldaños.

