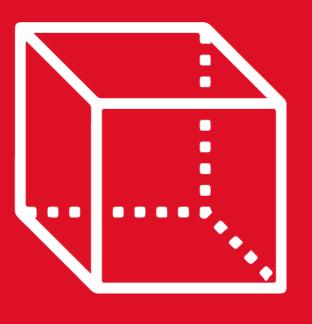


# GEOMETRÍA RETROALIMENTACIÓN

2nd SECONDARY

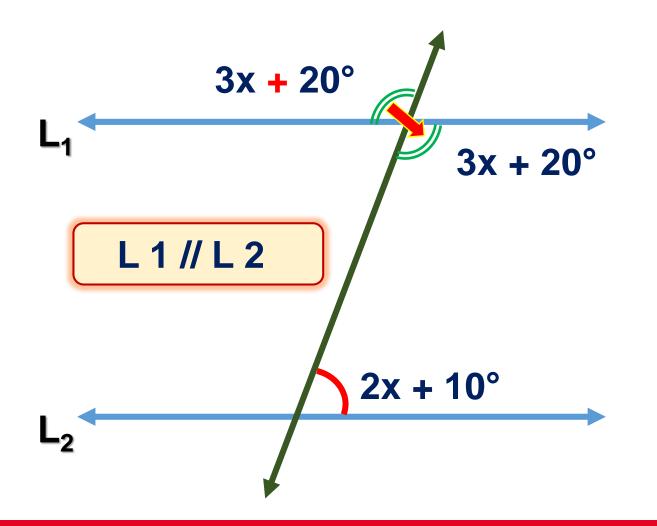
**TOMO 2** 

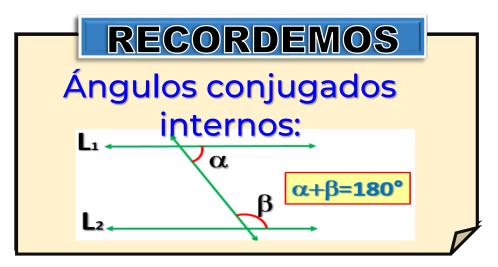






### 1. Si $L_1 / / L_2$ , halla el valor de x.

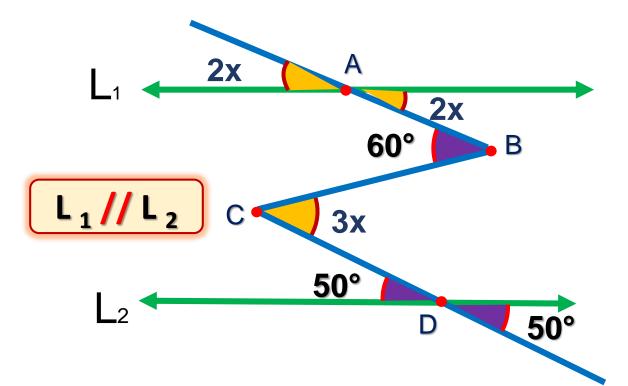


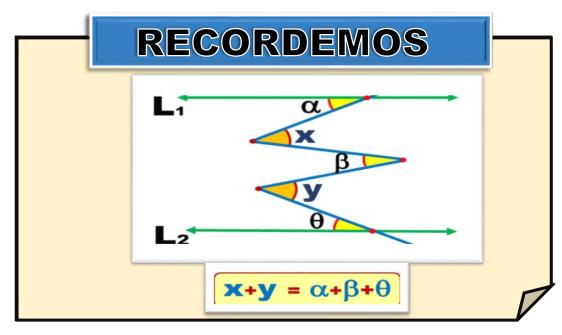


$$x + 20^{\circ} + 2x + 10^{\circ} = 180^{\circ}$$
 $5x + 30^{\circ} = 180^{\circ}$ 
 $5x = 150^{\circ}$ 



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





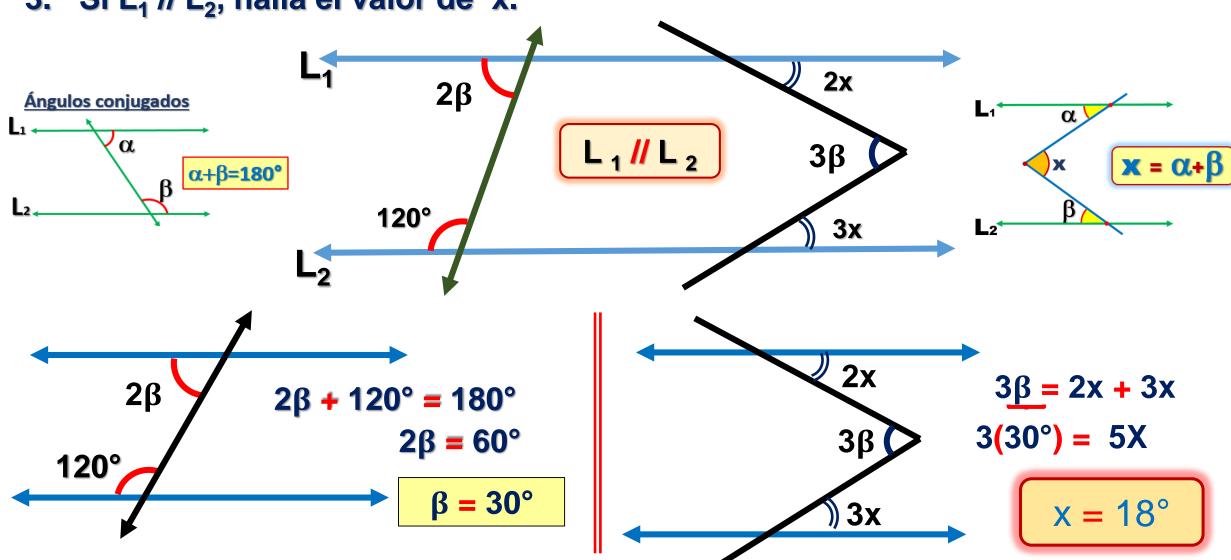
$$3x + 2x = 60^{\circ} + 50^{\circ}$$
  
 $5x = 110^{\circ}$ 

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

#### **HELICO | RETROALIMENTACIÓN**

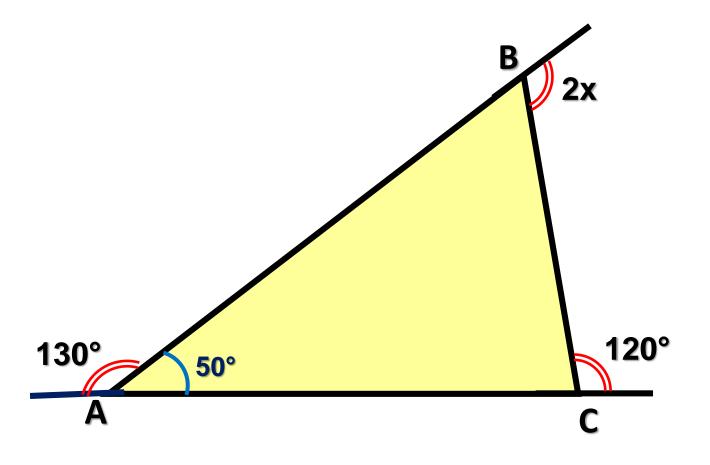


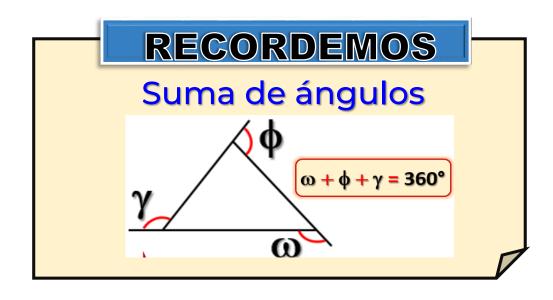






#### 4. En el gráfico, halla el valor de x.



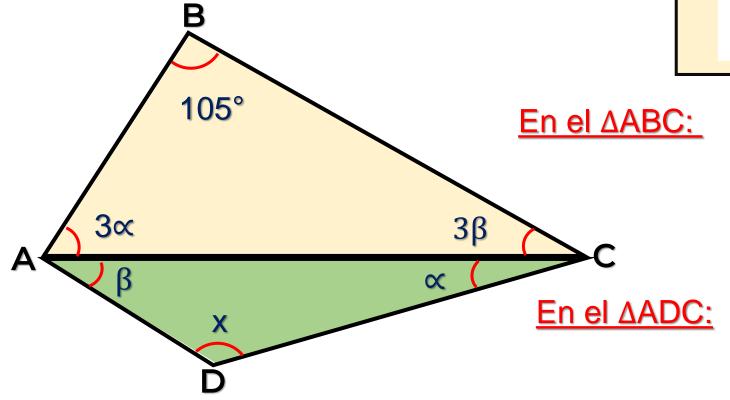


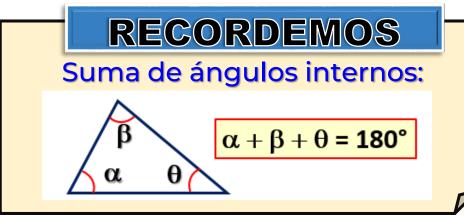
$$2x + 130^{\circ} + 120^{\circ} = 360^{\circ}$$
  
 $2x + 250^{\circ} = 360^{\circ}$   
 $2x = 110^{\circ}$ 

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



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





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

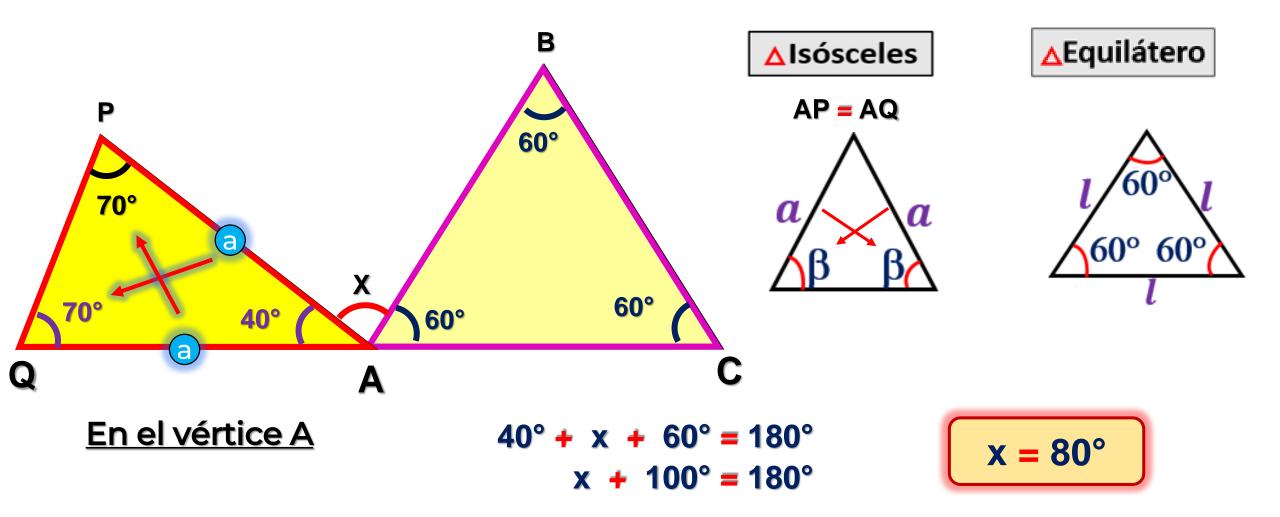
$$\propto + \beta + x = 180^{\circ}$$

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

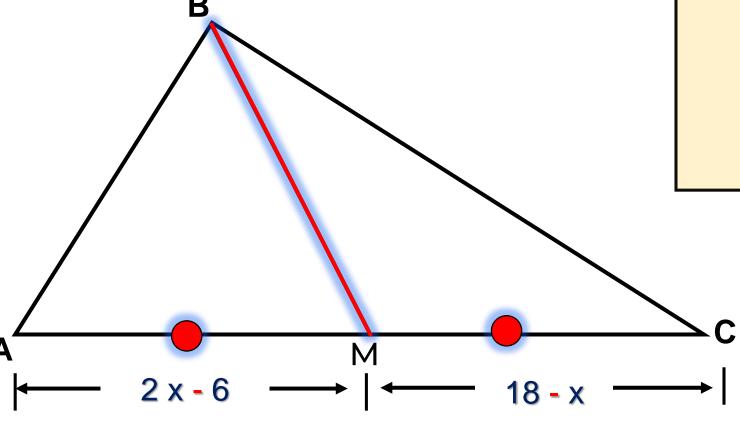
$$x = 155^{\circ}$$

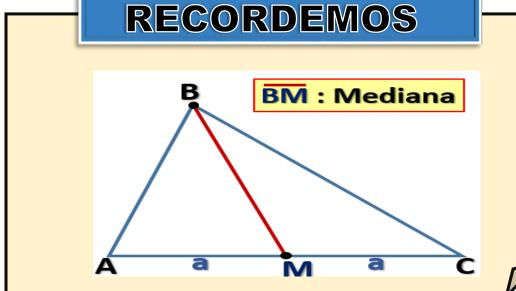


#### 6. Si el triángulo ABC es equilátero y AP = AQ. Halle x



## 7. Si BM es la mediana relativa AC. Hallar el valor de x

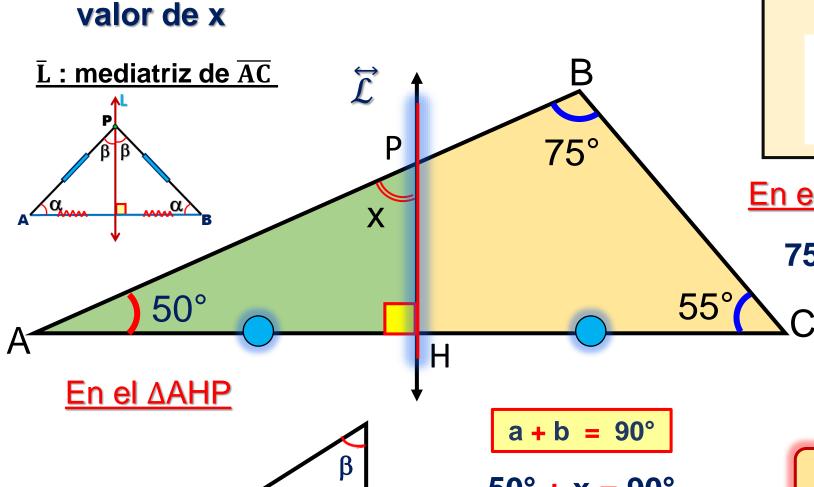


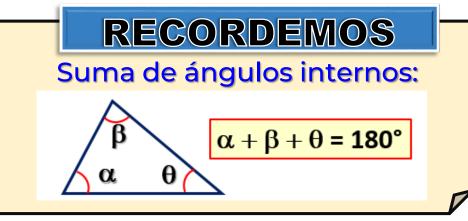


$$AM = MC$$
 $2x-6 = 18-x$ 
 $3x = 24$ 
 $x = 8$ 



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





#### En el AABC

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

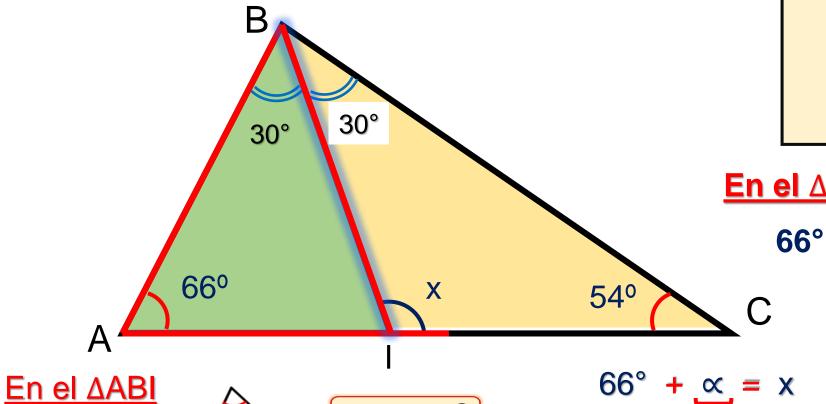
$$m \lessdot A = 50^{\circ}$$

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

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

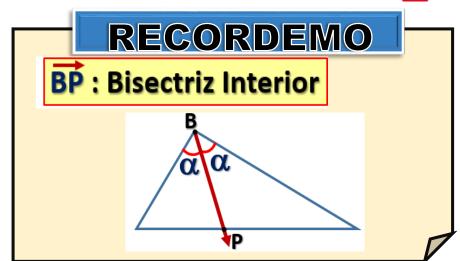


9. Si BI es bisectriz interior del triángulo ABC, halle el valor de x.



 $\omega = \alpha + \beta$ 

 $\omega$ 



#### En el ∆ABC

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

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

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

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.

