

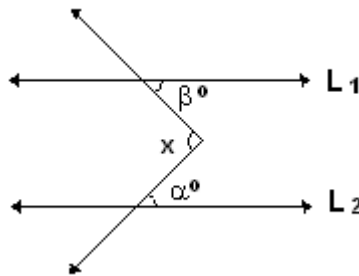


TRAZOS DE ÁNGULOS IV

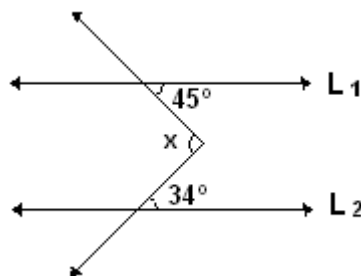
PROPIEDADES ADICIONALES DE ÁNGULOS

Propiedad 1: si $\overline{L_1} // \overline{L_2}$, se cumple que:

$$x = \alpha^\circ + \beta^\circ$$

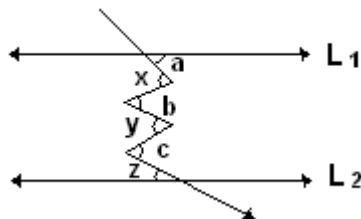


Ejemplo: Hallar x según la gráfica



$$\begin{aligned} \text{Como: } x &= \alpha + \beta \\ \Rightarrow x &= 34^\circ + 45^\circ \\ x &= 79^\circ \end{aligned}$$

Propiedad 2: Si $\overline{L_1} // \overline{L_2}$, se cumple que:

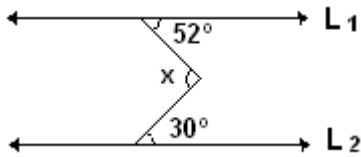


$$a + b + c = x + y + z$$

CONSTRUYENDO

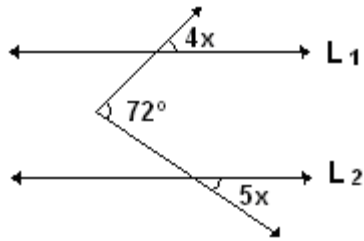
MIS CONOCIMIENTOS

1. En la figura las rectas $\overline{L_1} // \overline{L_2}$ son paralelas, calcular x.



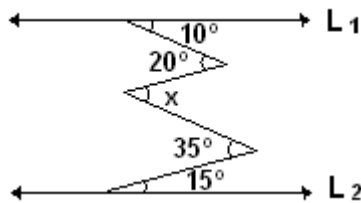
Rpta. 82°

2. Calcular "x" si $\overline{L_1} // \overline{L_2}$



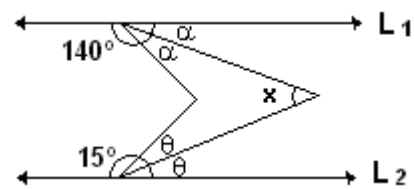
Rpta. 8°

3. En la figura las rectas L_1 y L_2 son paralelas, calcula x.



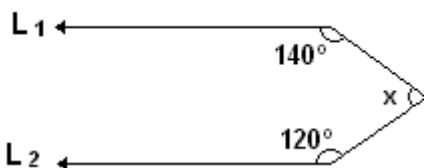
Rpta. 30°

4. Calcula "x" si $\overline{L_1} // \overline{L_2}$



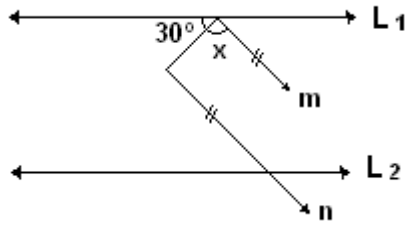
Rpta. 35°

5. En la figura $\overline{L_1} // \overline{L_2}$, calcular x.



Rpta. 100°

6. Calcular "x", si: $\overline{L_1} // \overline{L_2}$ y $\overline{m} // \overline{n}$

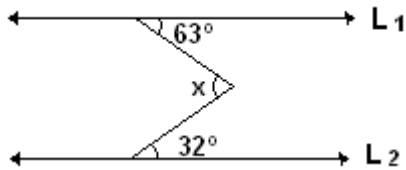


Rpta. 80°

REFORZANDO

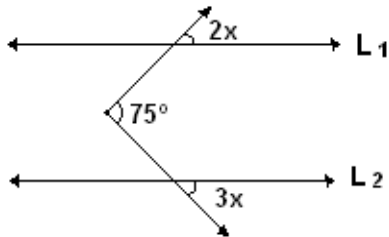
MIS CAPACIDADES

1. En la figura $\overline{L_1} // \overline{L_2}$, calcular x.



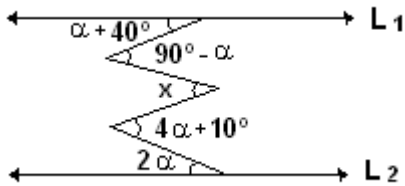
Rpta. 95°

2. Calcula "x" si $\overline{L_1} // \overline{L_2}$



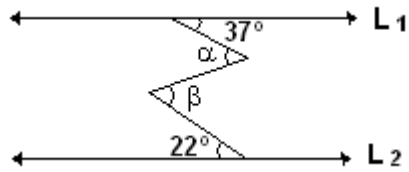
Rpta. 15°

3. Halla el valor de x, si $\overline{L_1} // \overline{L_2}$



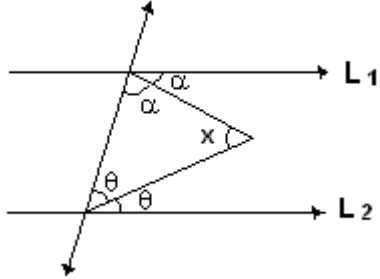
Rpta. 60°

4. Halla $\alpha - \beta$, si $\overline{L_1} \parallel \overline{L_2}$



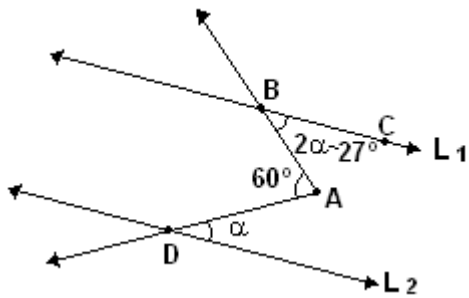
Rpta. 15°

5. Halla x , si $\overline{L_1} \parallel \overline{L_2}$.



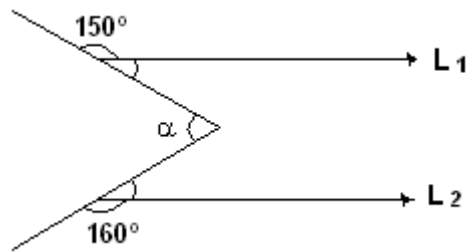
Rpta. 90°

6. Hallar el valor de α y las medidas del $\angle ABC$ y $\angle ADE$, si $\overline{L_1} \parallel \overline{L_2}$



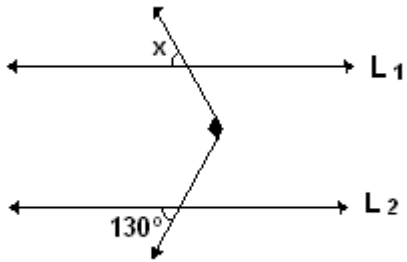
Rpta. 29°

7. Calcula el valor de α , si $\overline{L_1} \parallel \overline{L_2}$



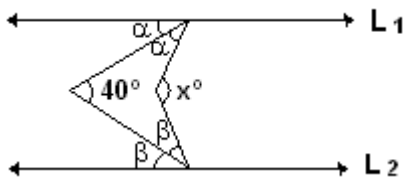
Rpta. 50°

8. Halla x si $\overline{L_1} // \overline{L_2}$

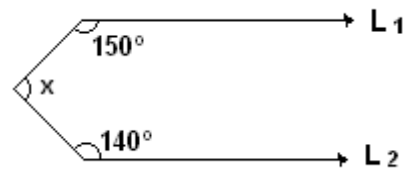


Rpta. 45°

9. Del gráfico calcula x , si $\overline{L_1} // \overline{L_2}$



10. En la figura $\overline{L_1} // \overline{L_2}$, calcular x .



Rpta. 70°