

Ejercitación 37

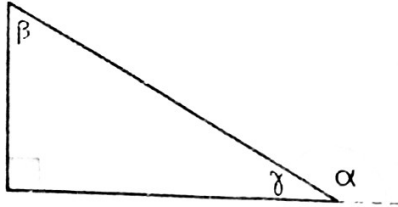
Ángulos interiores y exteriores

EJERCICIO 37.3

• Calculen el valor de los ángulos marcados en los siguientes triángulos.

1.

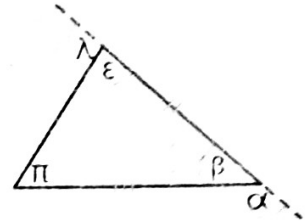
$$\hat{\alpha} = 148^\circ$$



3.

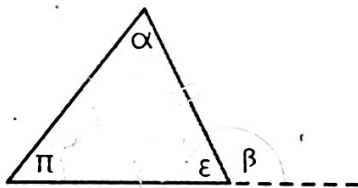
$$\hat{\lambda} = 105^\circ$$

$$\hat{\beta} = 52^\circ$$



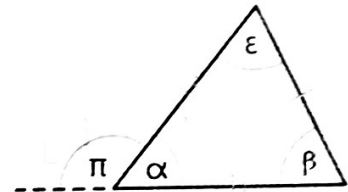
2.

$$\hat{\beta} = 126^\circ$$



4.

$$\hat{\pi} = 134^\circ$$

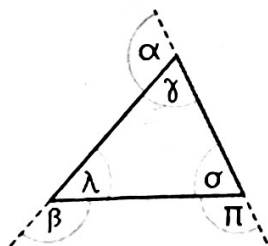


EJERCICIO 37.4

• Calculen el valor de cada ángulo interior en los siguientes triángulos.

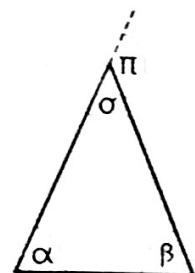
1.

$$\begin{cases} \hat{\alpha} = x + 10^\circ \\ \hat{\beta} = 2x - 60^\circ \\ \hat{\pi} = x - 30^\circ \end{cases}$$



2.

$$\begin{cases} \hat{\alpha} = 2x + 2^\circ \\ \hat{\beta} = 2x + 6^\circ \\ \hat{\pi} = 5x - 15^\circ \end{cases}$$



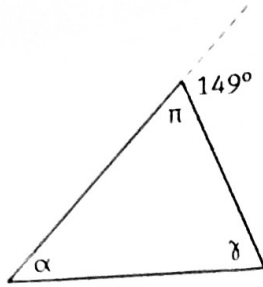
Ángulos interiores y exteriores

EJERCICIO 37.5

• Hallen el valor de cada uno de los ángulos marcados en los siguientes triángulos.

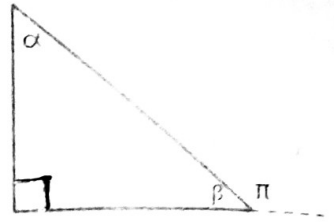
1.

$$\begin{cases} \hat{\alpha} = 2x + 12^\circ \\ \hat{\delta} = x + 23^\circ \end{cases}$$



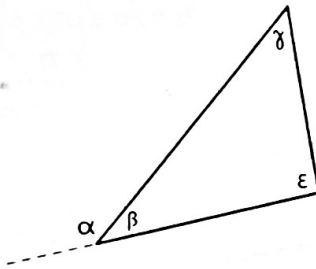
4.

$$\begin{cases} \hat{\pi} = 6x - 8^\circ \\ \hat{\alpha} = 2x + 2^\circ \end{cases}$$



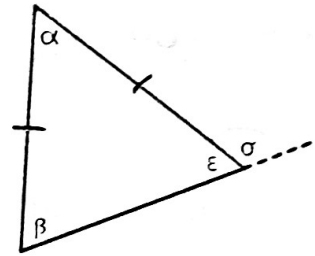
2.

$$\begin{cases} \hat{\alpha} = x + 102^\circ \\ \hat{\beta} = 2x - 18^\circ \\ \hat{\delta} = 2x \end{cases}$$



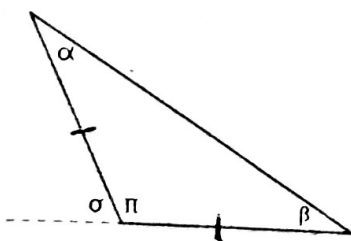
5.

$$\begin{cases} \hat{\sigma} = 12x - 27^\circ \\ \hat{\alpha} = 4x + 6^\circ \\ \hat{\beta} = 5x + 3^\circ \end{cases}$$



3.

$$\begin{cases} \hat{\sigma} = 48^\circ \\ \hat{\alpha} = 2x \end{cases}$$



6.

$$\begin{cases} \hat{\epsilon} = 142^\circ \\ \hat{\beta} = 2x + 4^\circ \\ \hat{\alpha} = 5x + 12^\circ \end{cases}$$

