

Congruencia de triángulos



Lee los siguientes criterios de congruencia de triángulos.



¡Exacto!



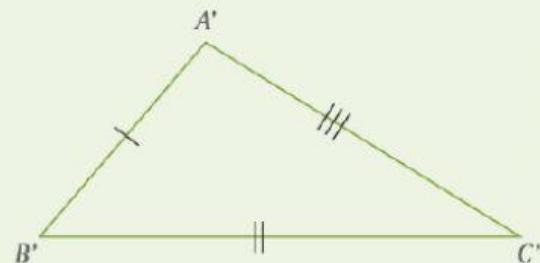
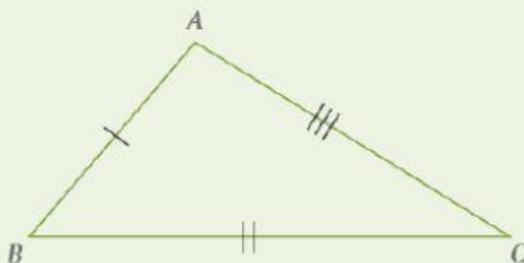
¡Exacto!



¡Exacto!

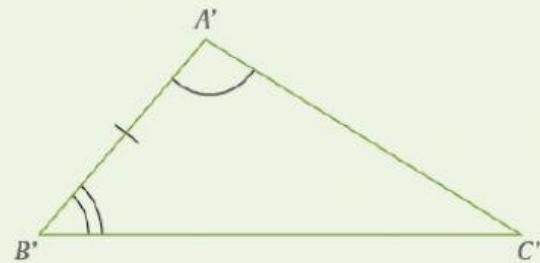
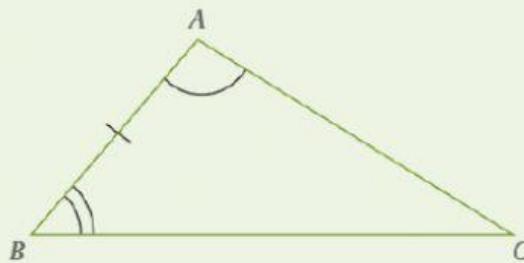
Criterio LADO-LADO-LADO (LLL)

Si los tres lados de un triángulo son respectivamente iguales a los tres lados de otro, entonces los triángulos son congruentes.



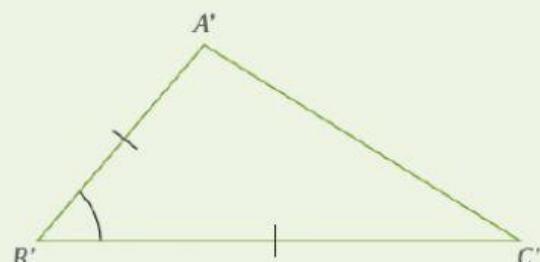
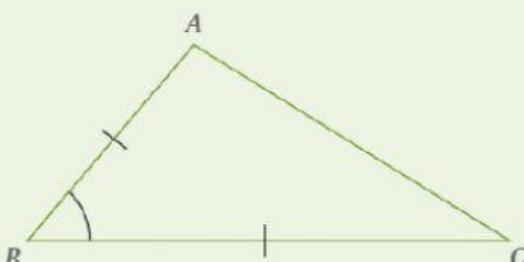
Criterio ÁNGULO-LADO-ÁNGULO (ALA)

Si dos ángulos de un triángulo y el lado comprendido entre ellos son respectivamente iguales a dos ángulos y el lado comprendido entre ellos de otro triángulo, entonces los triángulos son congruentes.



Criterio LADO-ÁNGULO-LADO (LAL)

Si dos lados de un triángulo y el ángulo que forman son respectivamente iguales a dos lados y el ángulo que forman de otro triángulo, entonces los triángulos son congruentes.

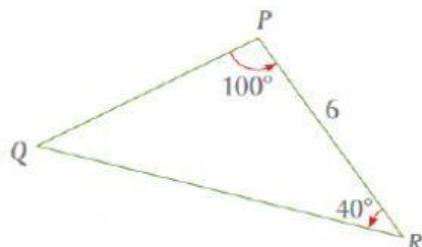
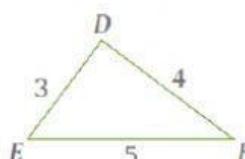
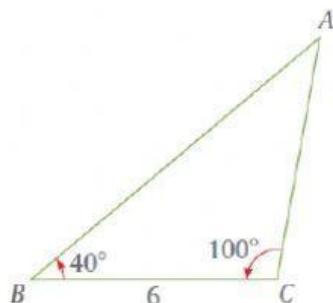
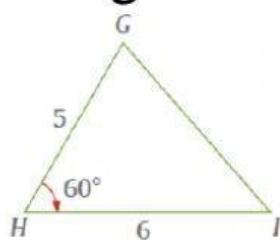
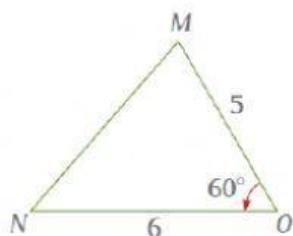
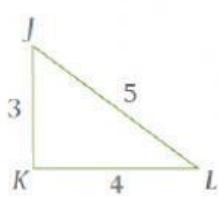




Observa los siguientes triángulos y une con una línea el par que corresponda a cada criterio de congruencia



A TRABAJAR



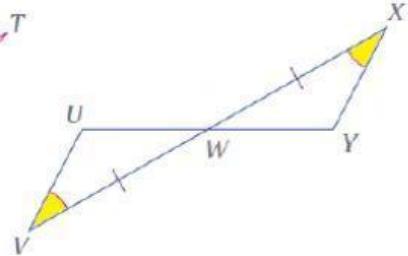
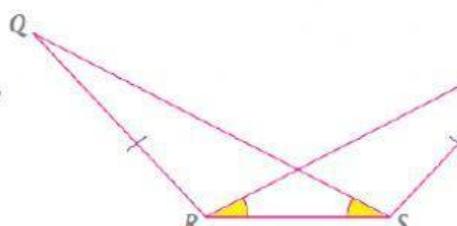
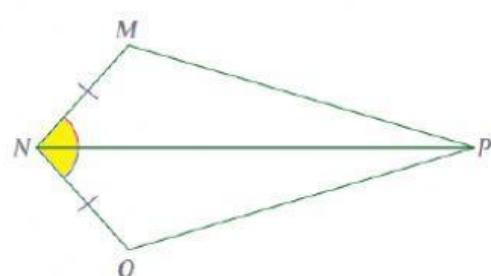
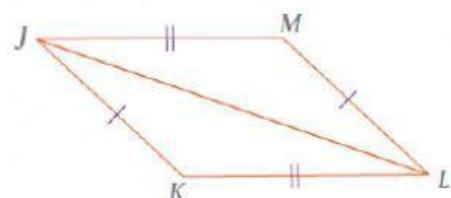
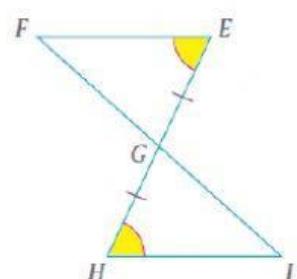
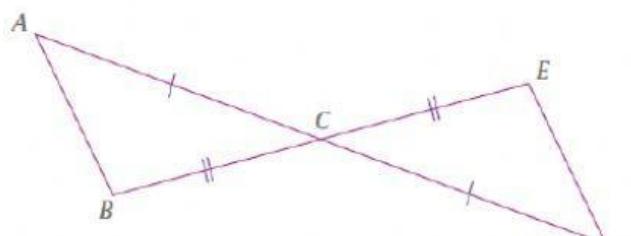
LLL

LAL

ALA



Elige el criterio de congruencia que se aplico en cada par de triángulos.

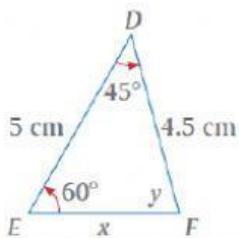
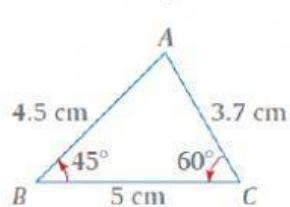




Analicen los siguientes pares de figuras y calculen los valores de "x" y de "y"

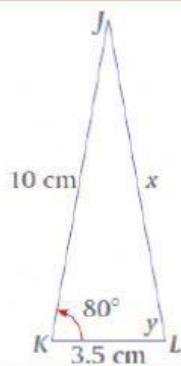
$$x = \underline{\hspace{2cm}}$$

$$y = \underline{\hspace{2cm}}$$



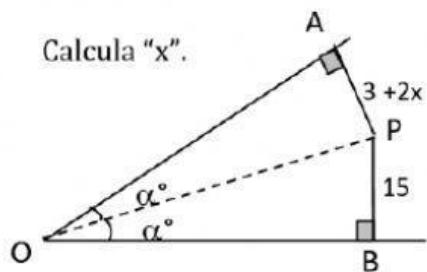
$$x = \underline{\hspace{2cm}}$$

$$y = \underline{\hspace{2cm}}$$



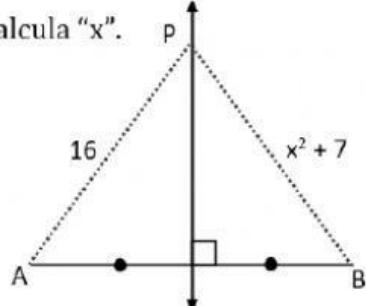
$$x = \underline{\hspace{2cm}}$$

Calcula "x".

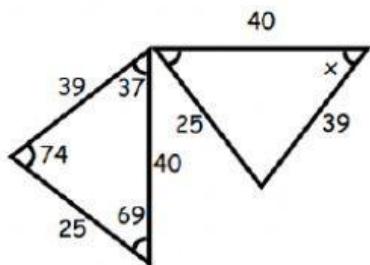


$$x = \underline{\hspace{2cm}}$$

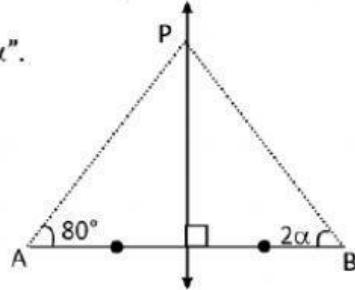
Calcula "x".



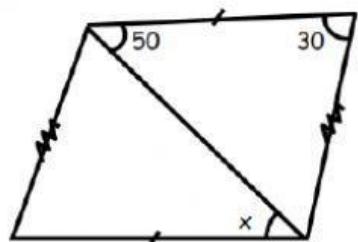
Calcular "x"



Halla "α".



Calcular "x"



Calcular "x"

