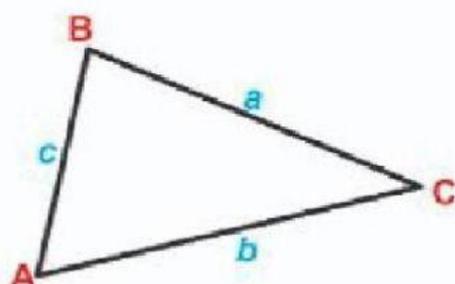


	COLEGIO SALEM	ASIGNATURA:	Matemáticas
		GRADO:	10°
DOCENTE :	Shirly Villanueva	PERÍODO:	III
		TEMA:	Ley de Cosenos

OBJETIVO: Comprender la fórmula aplicada en el teorema o ley del coseno.

LEY DE LOS COSENNOS



Ángulos:

$$\cos A = \frac{b^2 + c^2 - a^2}{2bc}$$

$$\cos B = \frac{a^2 + c^2 - b^2}{2ac}$$

$$\cos C = \frac{a^2 + b^2 - c^2}{2ab}$$

Lados:

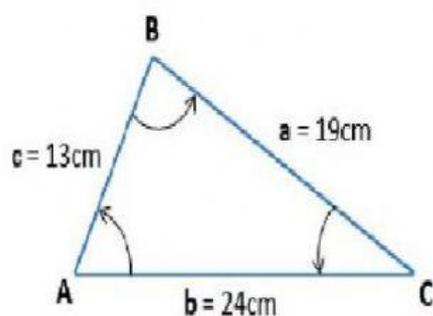
$$a^2 = b^2 + c^2 - 2bc \cos A$$

$$b^2 = a^2 + c^2 - 2ac \cos B$$

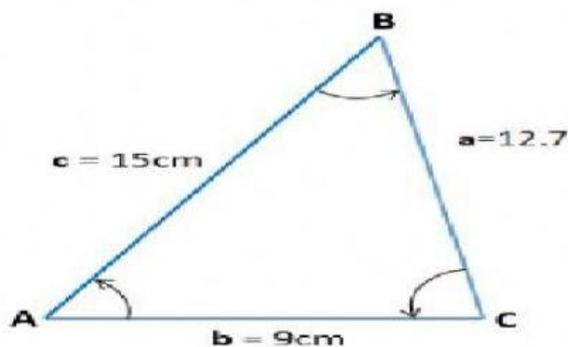
$$c^2 = a^2 + b^2 - 2ab \cos C$$

Observa y analiza las siguientes figuras, y encuentra el dato desconocido:

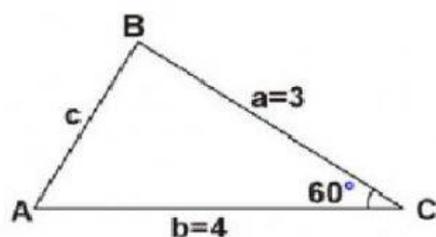
Triangulo 1



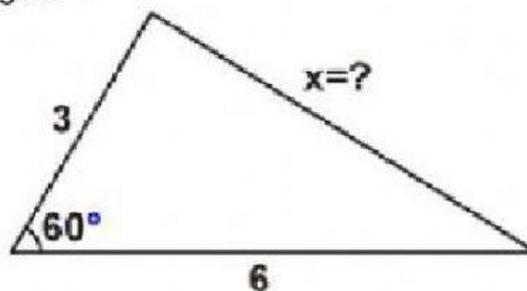
Triangulo 2



Triangulo 3

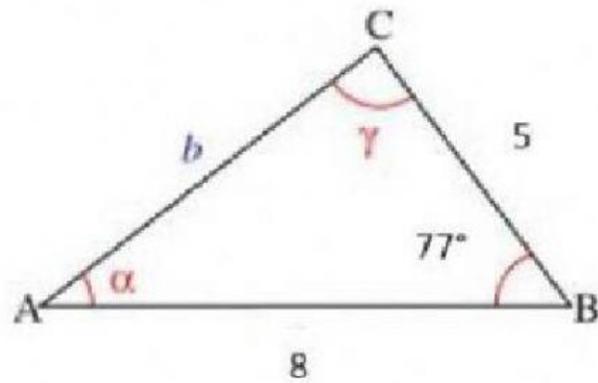
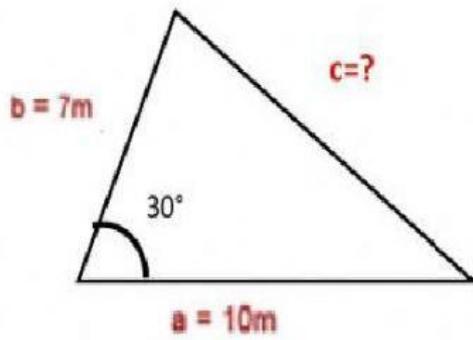


Triangulo 4



Triangulo 6

Triangulo 5



Triangulo 7

