
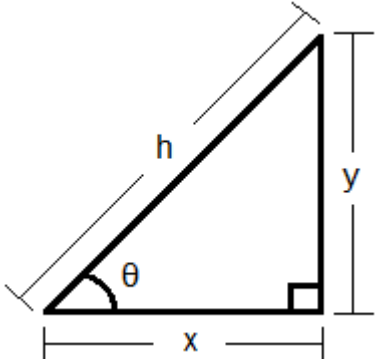
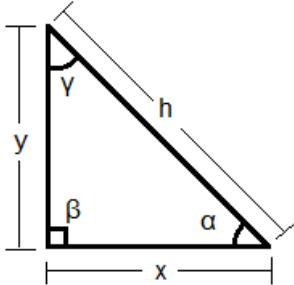
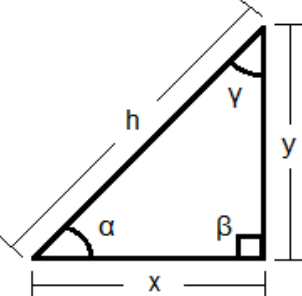
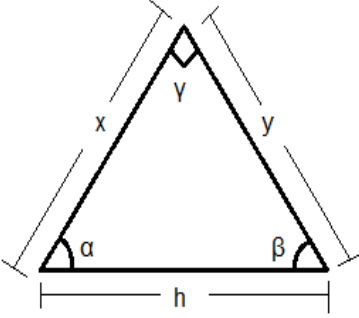
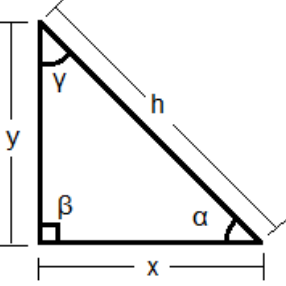
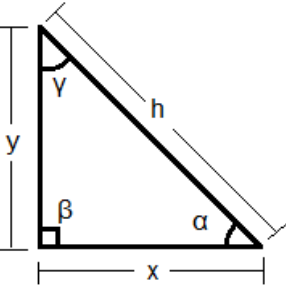
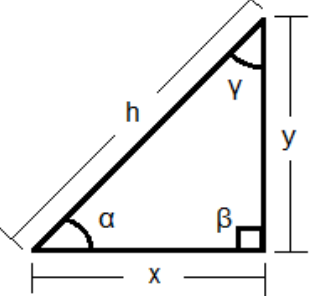
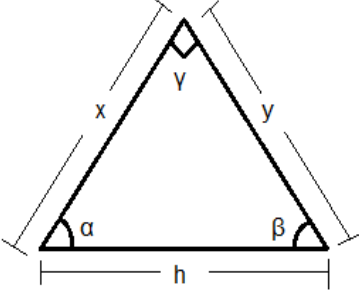
	INSTITUCIÓN EDUCATIVA LA ESPERANZA		
	ACTIVIDADES DE APOYO MATEMÁTICAS		
	Sección: Bachillerato	Grado:	
	NOMBRE:		

RELACIONES TRIGONOMÉTRICAS EN EL TRIÁNGULO RECTÁNGULO

	$\text{Csc}(\theta) = \frac{h}{y}$
	$\text{Sec}(\theta) = \frac{h}{x}$
	$\text{Cot}(\theta) = \frac{x}{y}$

Ejercicios : Completar los siguientes triángulos usando las relaciones anteriores

1.	Datos	
	$y = 2$	
	$h = \sqrt{5}$	
	$\beta = 90^\circ$	
	$\alpha = 63,44^\circ$	
	Incógnitas	
	$x =$	
$\gamma =$		
2.	Datos	
	$y = 4$	
	$h = 2\sqrt{5}$	
	$\beta = 90^\circ$	
	$\gamma = 26,56$	
	Incógnitas	
	$x =$	
$\alpha =$		

3.	Datos	
	$x = 4$	
	$h = 4\sqrt{2}$	
	$\beta = 90^\circ$	
	$\alpha = 45$	
	Incógnitas	
	$y =$	
$\gamma =$		
4.	Datos	
	$y = 2$	
	$x = 7$	
	$\beta = 90^\circ$	
	$\gamma = 74,05$	
	Incógnitas	
	$h =$	
$\alpha =$		
5.	Datos	
	$x = 10$	
	$y = 4$	
	$\beta = 90^\circ$	
	$\alpha = 21,80$	
	Incógnitas	
	$h =$	
$\gamma =$		
6.	Datos	
	$y = 8$	
	$h = 10$	
	$\beta = 90^\circ$	
	$\gamma = 36,87$	
	Incógnitas	
	$x =$	
$\alpha =$		
7.	Datos	
	$y = 5$	
	$h = 5\sqrt{2}$	
	$\beta = 90^\circ$	
	$\alpha = 45$	
	Incógnitas	
	$x =$	
$\gamma =$		