
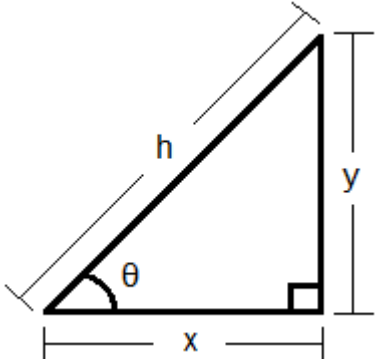
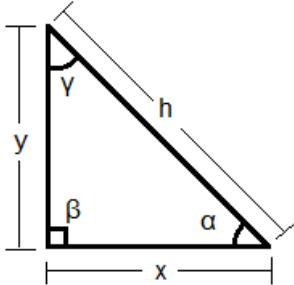
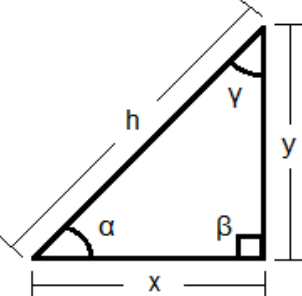
	<b>INSTITUCIÓN EDUCATIVA LA ESPERANZA</b>		
	<b>ACTIVIDADES DE APOYO MATEMÁTICAS</b>		
	<b>Sección:</b> Bachillerato	<b>Grado:</b>	
	<b>NOMBRE:</b>		

## RELACIONES TRIGONOMÉTRICAS EN EL TRIÁNGULO RECTÁNGULO

	$\text{Sen}(\theta) = \frac{y}{h}$
	$\text{Cos}(\theta) = \frac{x}{h}$
	$\text{Tan}(\theta) = \frac{y}{x}$

**Ejercicios :** Completar los siguientes triángulos

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

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