TECNOLOGICO NACIONAL DE MEXICO

INSTITUTO TECNOLOGICO DE CIUDAD MADERO

Carrera: Ingeniería en Sistemas Computacionales.

Materia: **Graficación.**

Alumna (o): Luis Ricardo Reyes Villar.

Numero de control: 21070343.

Fotografía de frente

Grupo: 5505 A

Hora: **11:00 – 12:00**

Semestre: **Agosto - diciembre 2023.**

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$\text{Sen}(A) = \frac{Y}{r} = \frac{Y}{1} = Y$

$y = \text{Sen}(A)$

$\text{Cos}(A) = \frac{X}{r} = \frac{X}{1} = X$

$x = \text{Cos}(A)$

$0°$	$\cos(0°) = 1$	$(1,0)$	$240°$	$\cos(240°) = -1/2$	$\left(\frac{-1}{2}, \frac{-\sqrt{3}}{2}\right)$
	$\text{sen}(0°) = 0$			$\text{sen}(240°) = -\sqrt{3}/2$	
$30°$	$\cos(30°) = \sqrt{3}/2$	$\left(\frac{\sqrt{3}}{2}, \frac{1}{2}\right)$	$270°$	$\cos(270°) = 0$	$(0,-1)$
	$\text{sen}(30°) = \frac{1}{2}$			$\text{sen}(270°) = -1$	
$45°$	$\cos(45°) = \sqrt{2}/2$	$\left(\frac{\sqrt{2}}{2}, \frac{\sqrt{2}}{2}\right)$	$300°$	$\cos(300°) = 1/2$	$\left(\frac{1}{2}, \frac{-\sqrt{3}}{2}\right)$
	$\text{sen}(45°) = \sqrt{2}/2$			$\text{sen}(270°) = -\sqrt{3}/2$	
$60°$	$\cos(60°) = 1/2$	$\left(\frac{1}{2}, \frac{\sqrt{3}}{2}\right)$	$315°$	$\cos(315°) = \sqrt{2}/2$	$\left(\frac{\sqrt{2}}{2}, \frac{-\sqrt{2}}{2}\right)$
	$\text{sen}(60°) = \sqrt{3}/2$			$\text{sen}(315°) = -\sqrt{2}/2$	
$90°$	$\cos(90°) = 0$	$(0,+1)$	$330°$	$\cos(330°) = \sqrt{3}/2$	$\left(\frac{\sqrt{3}}{2}, \frac{-1}{2}\right)$
	$\text{sen}(90°) = +1$			$\text{sen}(330°) = -1/2$	
$120°$	$\cos(120°) = -1/2$	$\left(\frac{-1}{2}, \frac{\sqrt{3}}{2}\right)$	$360°$	$\cos(360°) = 1$	$(1,0)$
	$\text{sen}(120°) = \sqrt{3}/2$			$\text{sen}(360°) = 0$	
$135°$	$\cos(135°) = -\sqrt{2}/2$	$\left(\frac{-\sqrt{2}}{2}, \frac{\sqrt{2}}{2}\right)$			
	$\text{sen}(135°) = \sqrt{2}/2$				
$150°$	$\cos(150°) = -\sqrt{3}/2$	$\left(\frac{-\sqrt{3}}{2}, \frac{1}{2}\right)$			
	$\text{sen}(150°) = 1/2$				
$180°$	$\cos(180°) = -1$	$(-1,0)$			
	$\text{sen}(180°) = 0$				
$210°$	$\cos(210°) = -\sqrt{3}/2$	$\left(\frac{-\sqrt{3}}{2}, \frac{-1}{2}\right)$			
	$\text{sen}(210°) = -1/2$				
$225°$	$\cos(225°) = -\sqrt{2}/2$	$\left(\frac{-\sqrt{2}}{2}, \frac{-\sqrt{2}}{2}\right)$			
	$\text{sen}(225°) = -\sqrt{2}/2$				

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Ángulo		Coseno	Seno
0°	0	1	0
30°	$\pi/6$	$\sqrt{3}/2$	$1/2$
45°	$\pi/4$	$\sqrt{2}/2$	$\sqrt{2}/2$
60°	$\pi/3$	$1/2$	$\sqrt{3}/2$
90°	$\pi/2$	0	1
120°	$2\pi/3$	$-1/2$	$\sqrt{3}/2$
135°	$3\pi/4$	$-\sqrt{2}/2$	$\sqrt{2}/2$
150°	$5\pi/6$	$-\sqrt{3}/2$	$1/2$
180°	π	-1	0
210°	$7\pi/6$	$-\sqrt{3}/2$	$-1/2$
225°	$5\pi/4$	$-\sqrt{2}/2$	$-\sqrt{2}/2$
240°	$4\pi/3$	$-1/2$	$-\sqrt{3}/2$
270°	$3\pi/2$	0	-1
300°	$5\pi/3$	$1/2$	$-\sqrt{3}/2$
315°	$7\pi/4$	$\sqrt{2}/2$	$-\sqrt{2}/2$
330°	$11\pi/6$	$\sqrt{3}/2$	$-1/2$
360°	2π	1	0