2ª SÉRIE

CANAL SEDUC-PI2

PROFESSOR (A):	DISCIPLINA:	CONTEÚDO:	TEMA GERADOR:	DATA:
HENRIQUE GOMES	MATEMÁTICA	GEOMETRIA – CIRCUNFERÊNCIA TRIGONOMÉTRIA	SAÚDE NA ESCOLA	14.06.2019

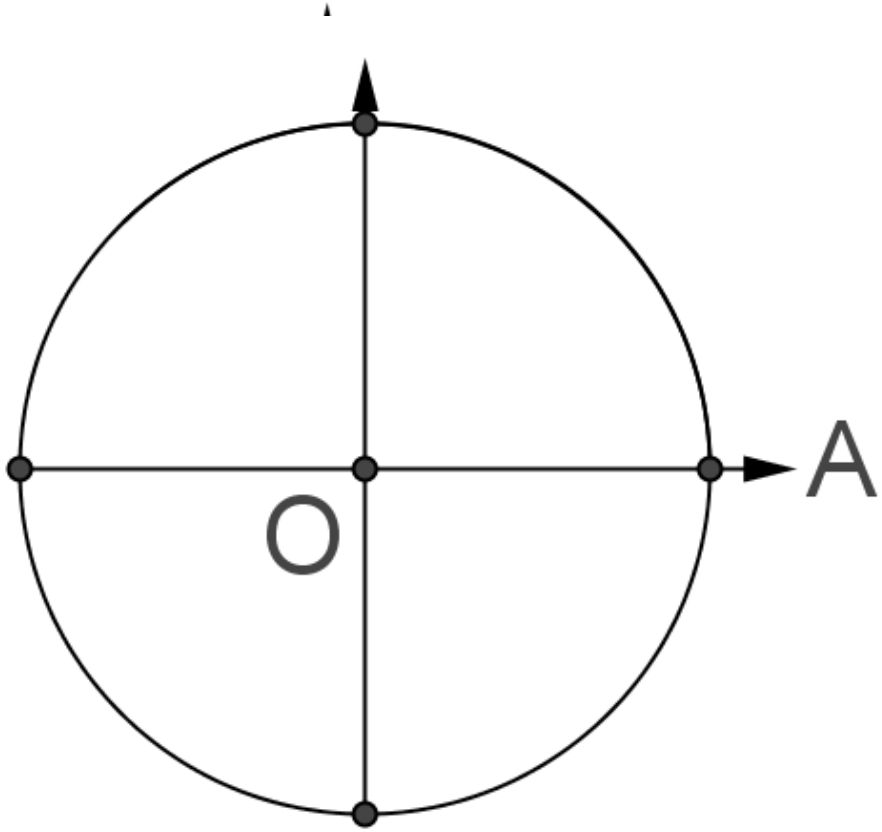
Canal Educação
PROGRAMA DE MEDIAÇÃO TECNOLÓGICA

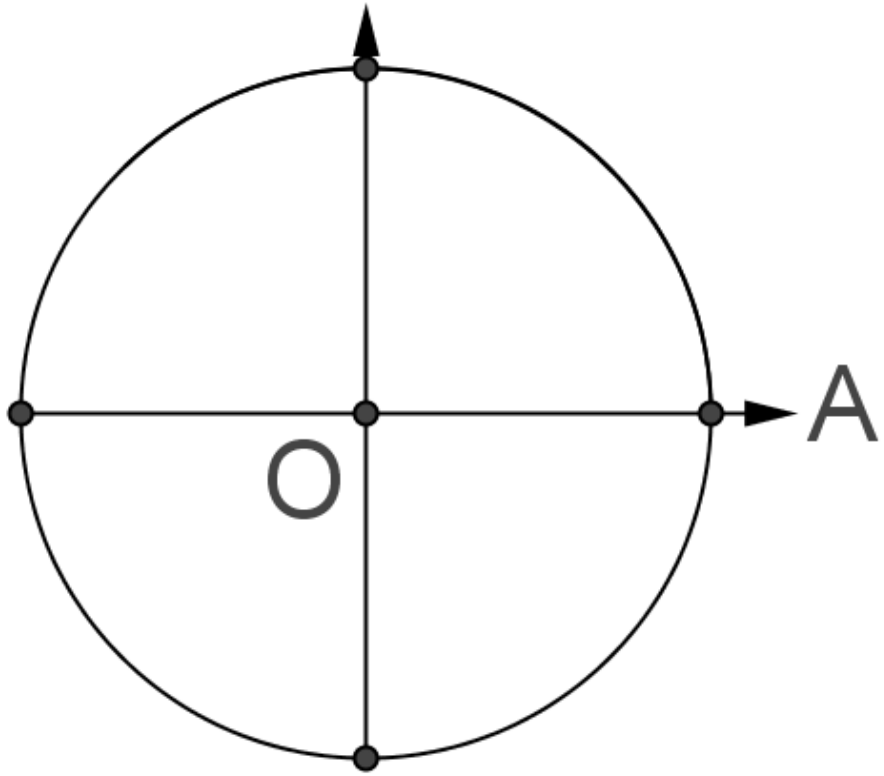
ROTEIRO DE AULA

CIRCUNFERÊNCIA TRIGONOMÉTRICA

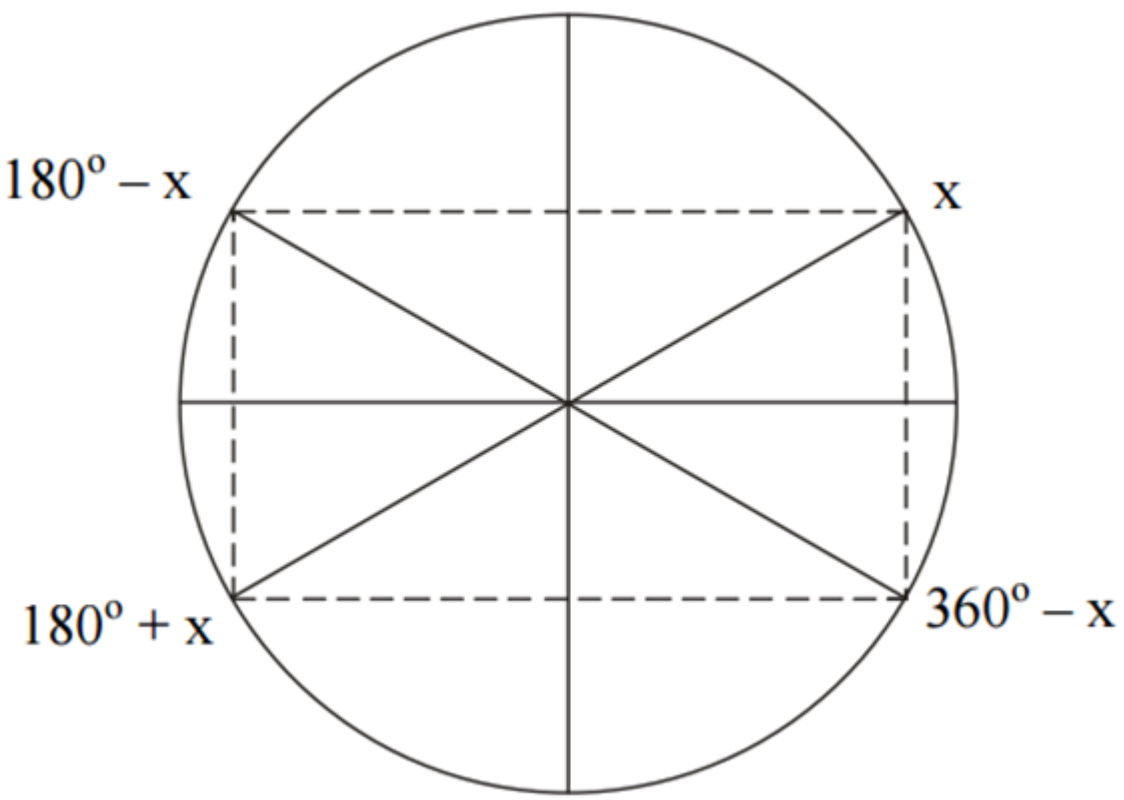
- Simetrias;
- Seno e Cosseno de um arco trigonométrico-(Variação de sinal)

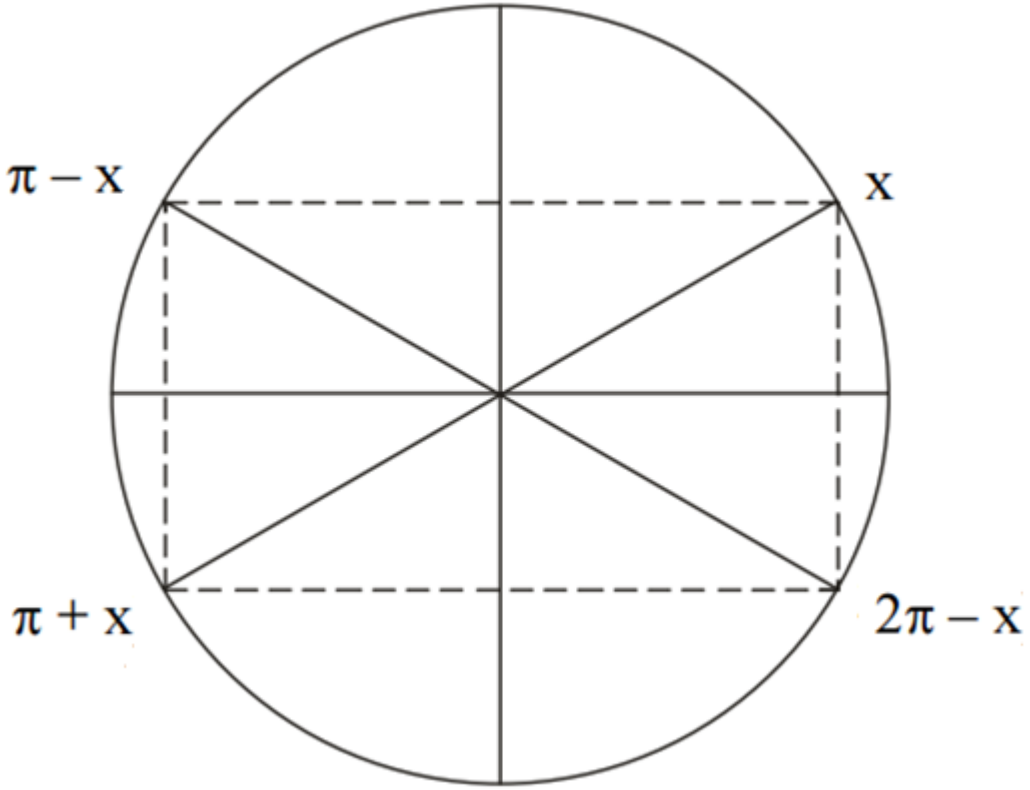
Arcos Simétricos



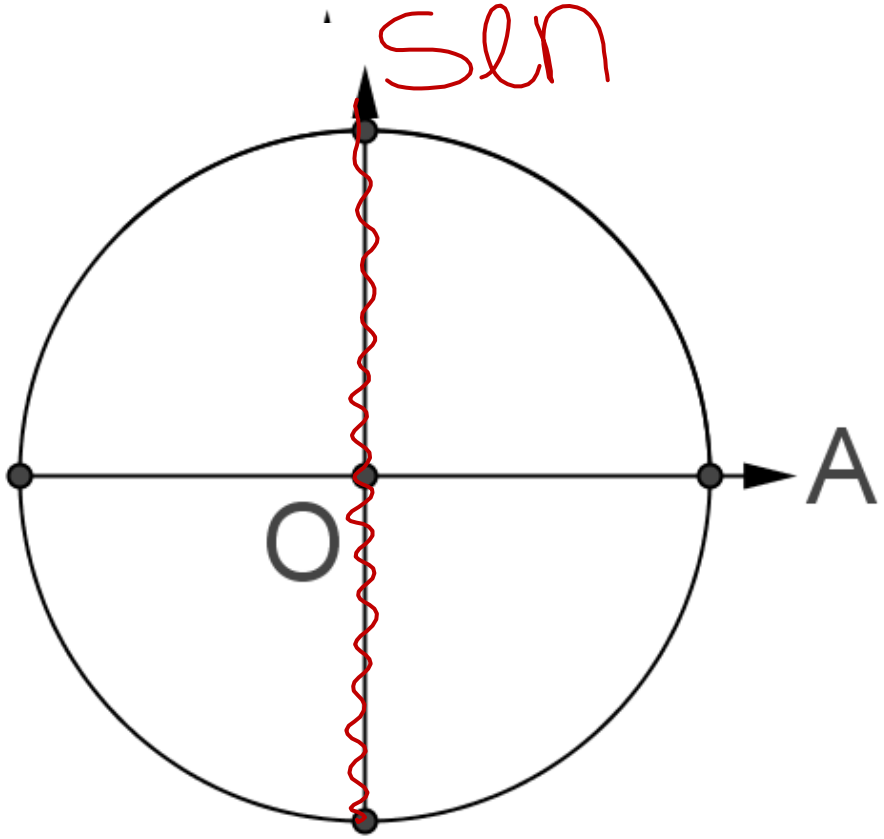


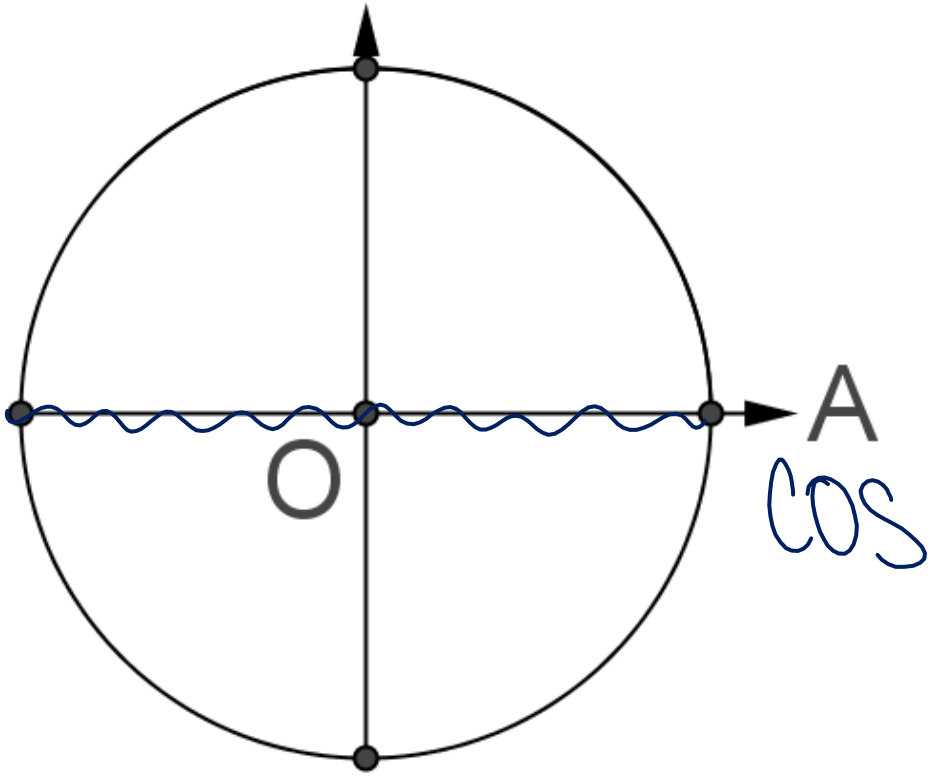
Arcos Simétricos





Arcos Simétricos

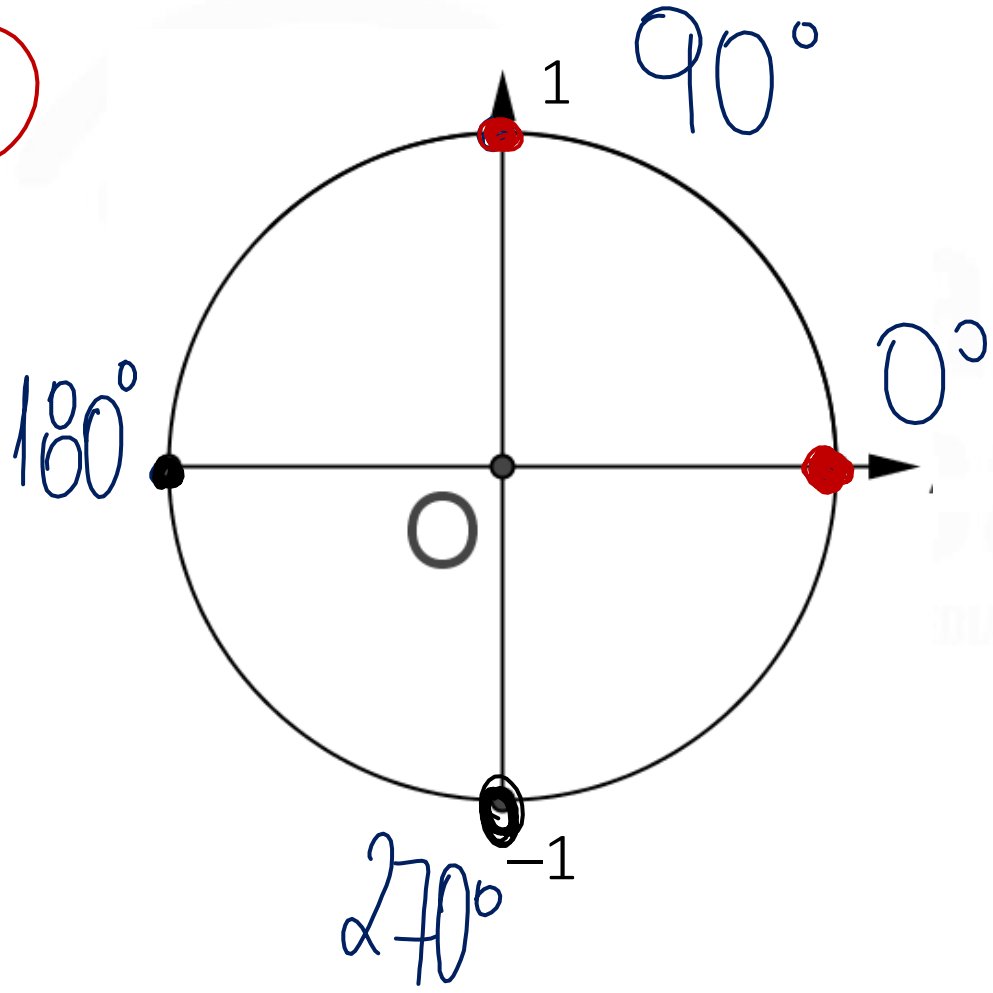




Variação de sinal (Seno)

$\sin 0° = 0$

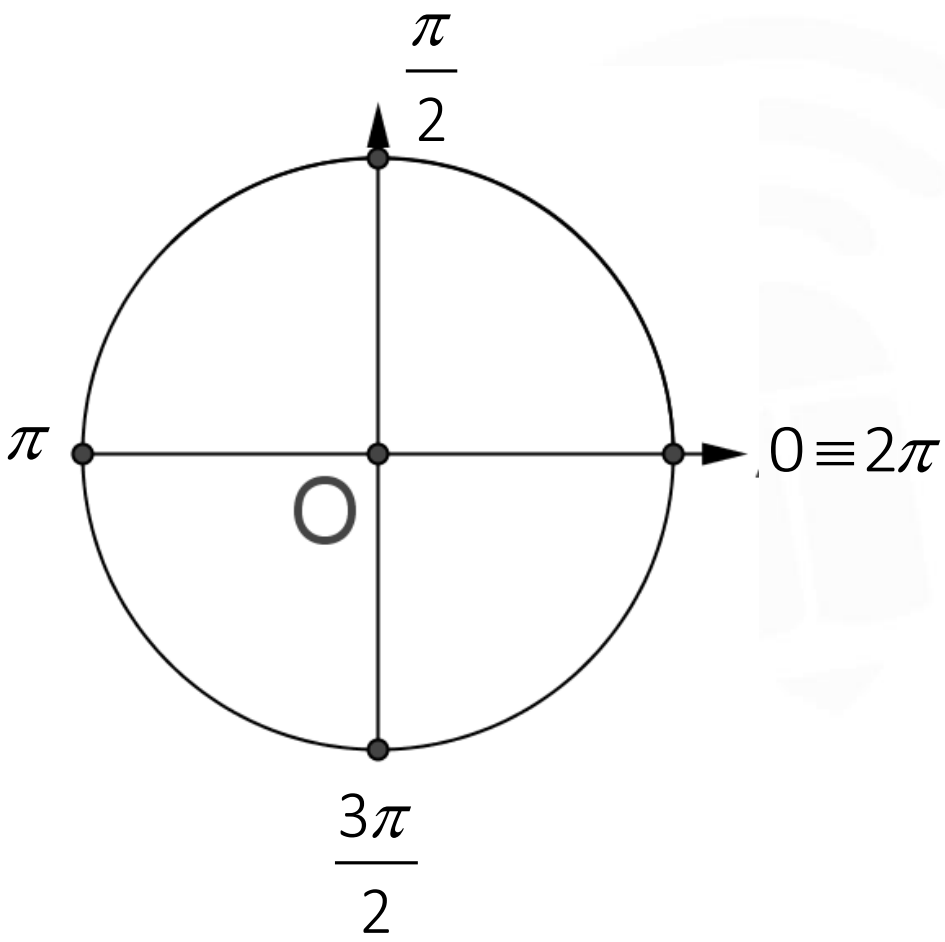
$\sin 90° = 1$



$\sin 180° = 0$

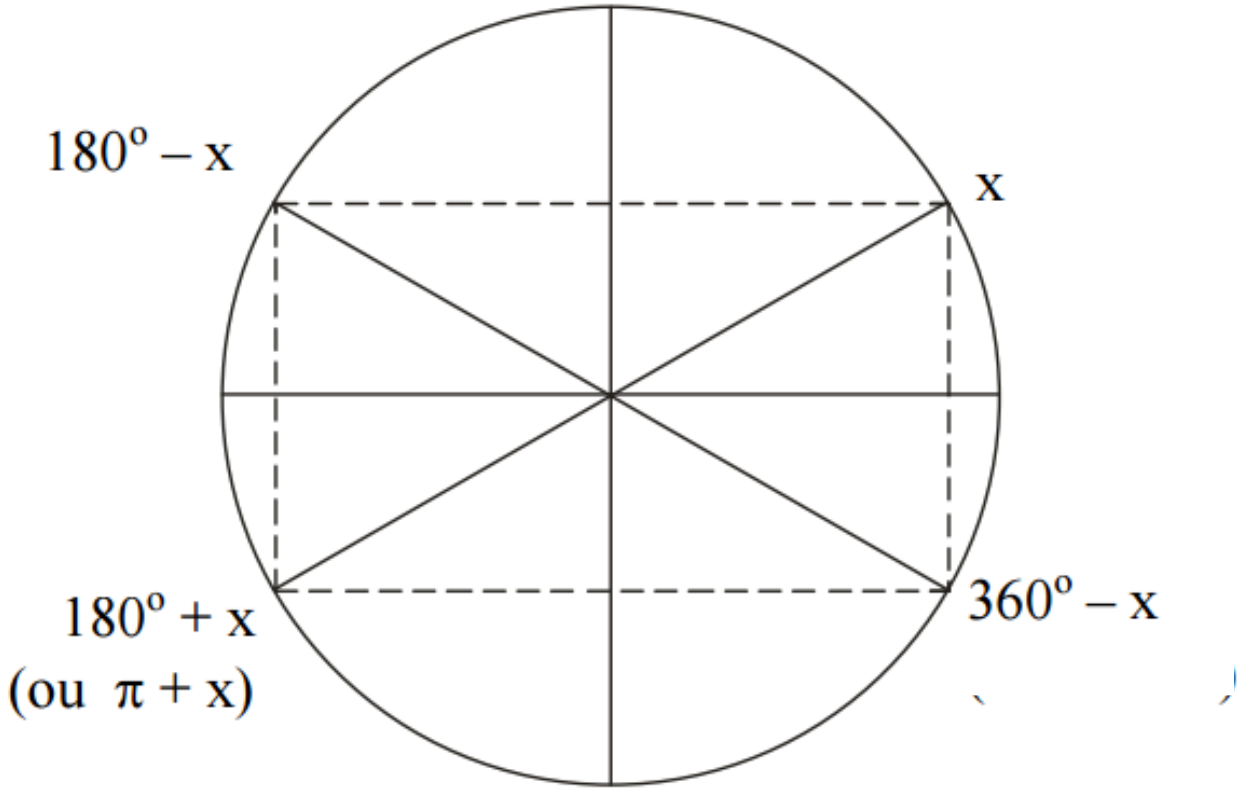
$\sin 270° = -1$

Seno dos Arcos Notáveis



Ângulo	Seno
0°	0
90° ou $\frac{\pi}{2}$	1
180° ou π	0
270° ou $\frac{3\pi}{2}$	-1
360° ou 2π	0

Seno de 30°, 45° e 60° e seus simétricos

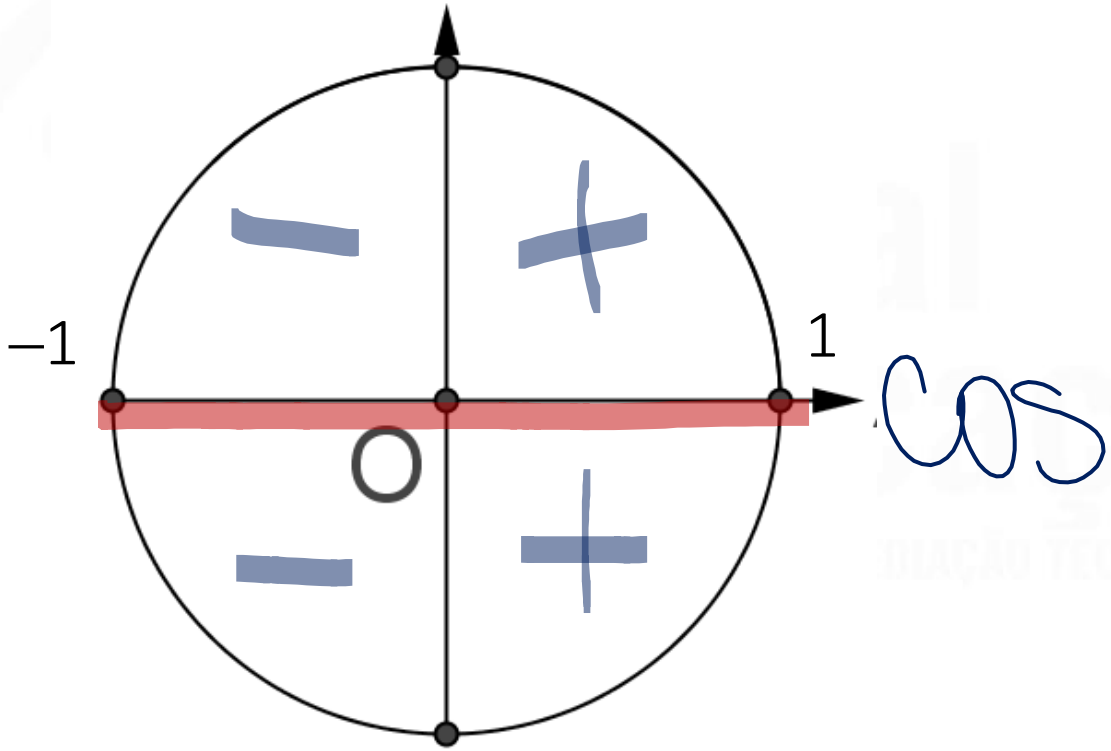


30°	150°	210°	330°
1/2	1/2	−1/2	−1/2

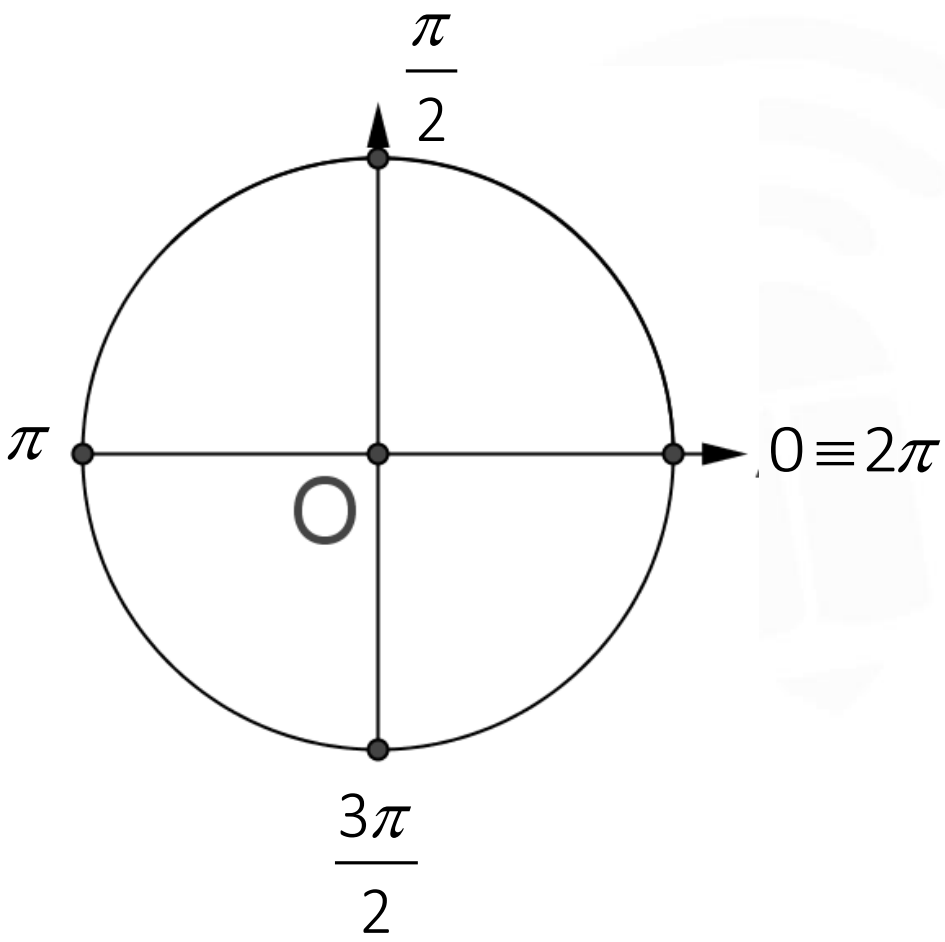
45°	135°	225°	315°
$\sqrt{2}/2$	$\sqrt{2}/2$	$-\sqrt{2}/2$	$-\sqrt{2}/2$

60°	120°	240°	300°
$\sqrt{3}/2$	$\sqrt{3}/2$	$-\sqrt{3}/2$	$-\sqrt{3}/2$

Variação de sinal (Cosseno)



Cosseno dos Arcos Notáveis



Ângulo	Cosseno
0°	1
90° ou $\frac{\pi}{2}$	0
180° ou π	-1
270° ou $\frac{3\pi}{2}$	0
360° ou 2π	1