



MATEMÁTICA

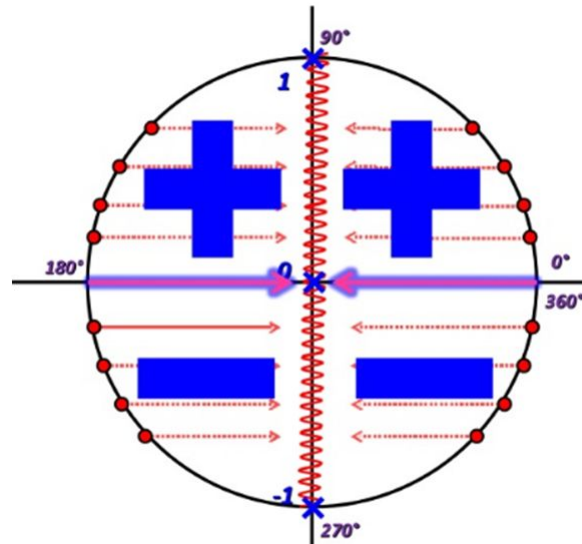


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Equações com intervalos limitados

Equação seno

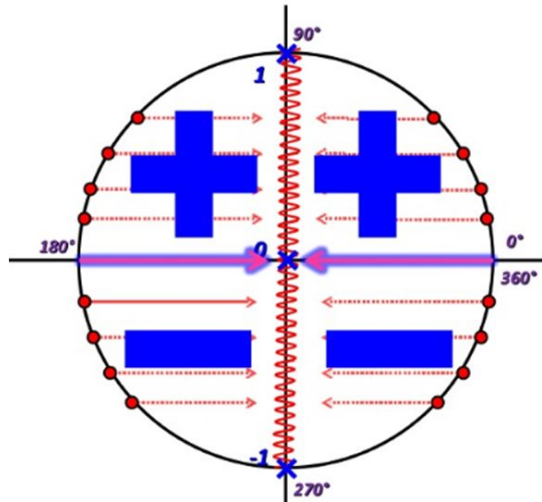
$$\text{sen}(x) = 1 \quad 0 \leq x < 2\pi$$



Equação seno

$$\text{sen}(x) = -\frac{1}{2}$$

$$0 \leq x < 2\pi$$

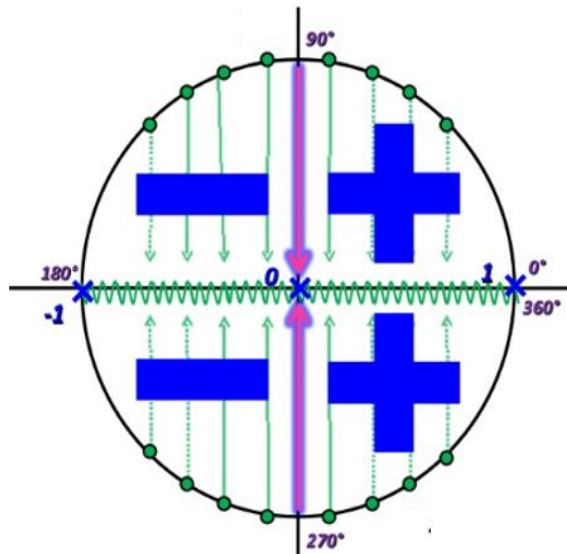


	sen	cos	tg
30°	$\frac{1}{2}$	$\frac{\sqrt{3}}{2}$	$\frac{\sqrt{3}}{3}$
45°	$\frac{\sqrt{2}}{2}$	$\frac{\sqrt{2}}{2}$	1
60°	$\frac{\sqrt{3}}{2}$	$\frac{1}{2}$	$\sqrt{3}$

Equação cosseno

$$\cos(x) = \frac{\sqrt{3}}{2}$$

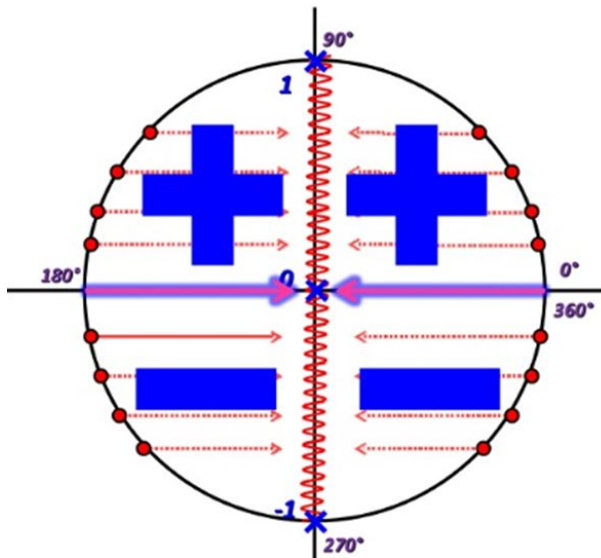
$$0 \leq x < 2\pi$$



	sen	cos	tg
30°	$\frac{1}{2}$	$\frac{\sqrt{3}}{2}$	$\frac{\sqrt{3}}{3}$
45°	$\frac{\sqrt{2}}{2}$	$\frac{\sqrt{2}}{2}$	1
60°	$\frac{\sqrt{3}}{2}$	$\frac{1}{2}$	$\sqrt{3}$

Equação seno

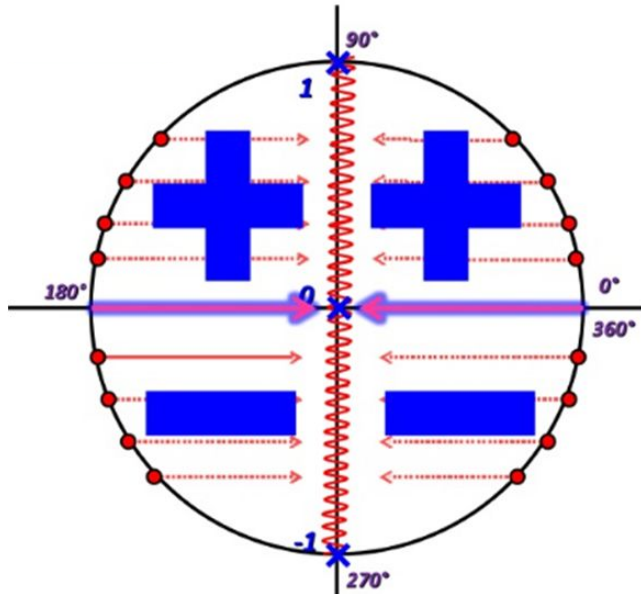
$$2\operatorname{sen}^2(x) - \operatorname{sen}(x) - 1 = 0 \quad 0 \leq x < 2\pi$$



	sen	cos	tg
30°	$\frac{1}{2}$	$\frac{\sqrt{3}}{2}$	$\frac{\sqrt{3}}{3}$
45°	$\frac{\sqrt{2}}{2}$	$\frac{\sqrt{2}}{2}$	1
60°	$\frac{\sqrt{3}}{2}$	$\frac{1}{2}$	$\sqrt{3}$

Equação seno

$$\text{sen}(3x) = -\frac{\sqrt{3}}{2} \quad 0 \leq x < 360^\circ$$





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