

razões trigonométricas

$$\text{sen } \alpha = \frac{a}{c}$$

$$\text{cos } \alpha = \frac{b}{c}$$

$$\text{tg } \alpha = \frac{a}{b}$$

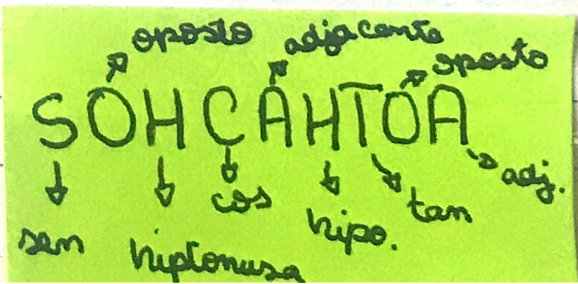
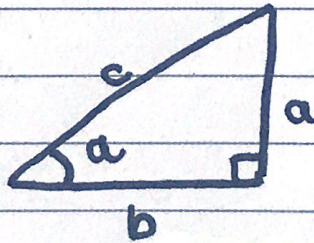


Table of Trigonometric

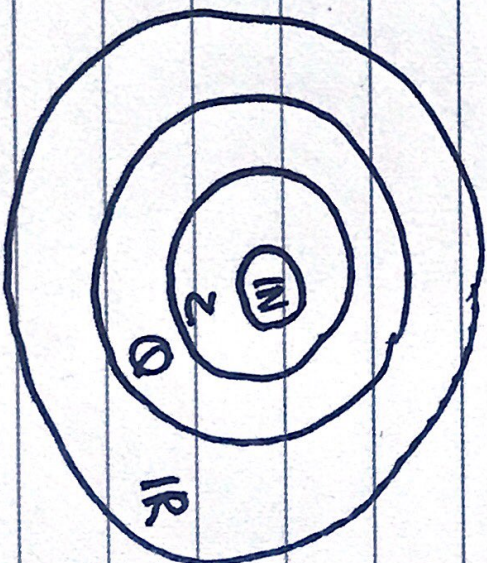
	30°	45°	60°
Sin	$\frac{1}{2}$	$\frac{\sqrt{2}}{2}$	$\frac{\sqrt{3}}{2}$
Cos	$\frac{\sqrt{3}}{2}$	$\frac{\sqrt{2}}{2}$	$\frac{1}{2}$
Tan	$\frac{1}{\sqrt{3}}$	1	$\sqrt{3}$

$$\tan = \frac{\sin}{\cos}$$

$$\frac{1}{\sqrt{3}} = \frac{2}{2\sqrt{3}} = \frac{1}{\sqrt{3} \times 2} = \frac{\sqrt{3}}{\sqrt{3} \times 2} = \frac{\sqrt{3}}{2}$$

$$\frac{\sqrt{3}}{2} = \frac{2\sqrt{3}}{2} = \sqrt{3}$$

Conjuntos



- \mathbb{N} - naturais (1, 3, 100, ...)
- \mathbb{Z} - inteiros (0, 15, -3, ...)
- \mathbb{Q} - racionais (2, 3/5, -2/5)
- \mathbb{R} - reais ($\sqrt{2}$, π , $-\sqrt{3}$, ...)

$$\mathbb{N} \subset \mathbb{Z} \subset \mathbb{Q} \subset \mathbb{R}$$

divisões :

- finitas

ex : 0, 5

2, 31



n^{os} naturais

- infinitas

periódicas

ex : 0, 333... = 0,(3)



n^{os} naturais

não periódicas

ex : 2, 315783 ...



n^{os} naturais