



Colégio Dinâmico

Educação Infantil - Ensino Fundamental - Ensino Médio



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Aluno (a): _____ Data: 16 / 04 / 2020.

Professor (a): Estefânio Franco Maciel Série: 3º Ano

NOTA DE AULA DE MATEMÁTICA

LIVRO 3 – MATEMÁTICA 113 – MÓDULO 7

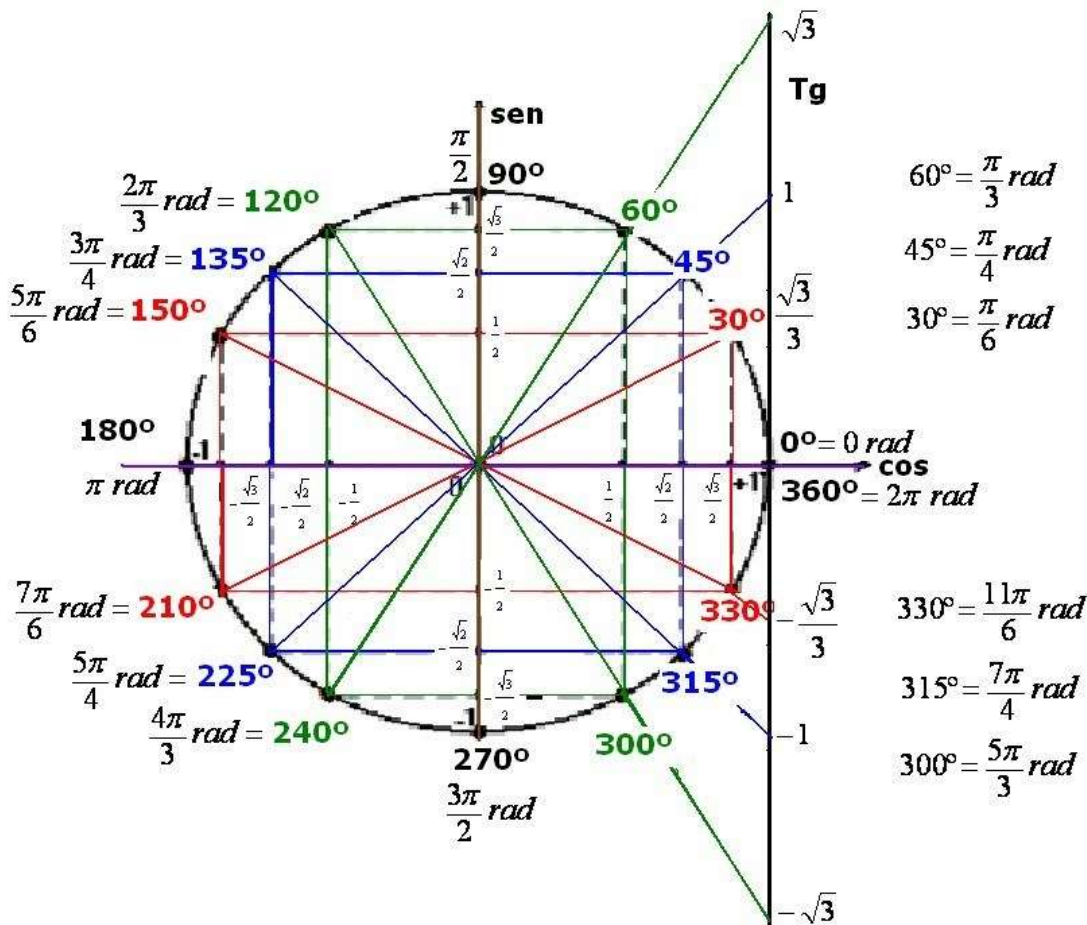
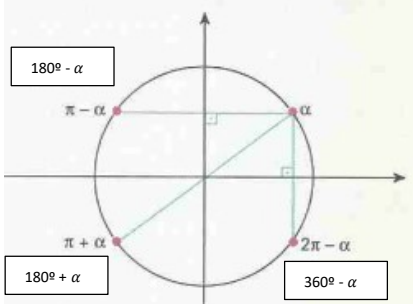


TABELA DE 30°, 45° E 60°

| | 30° | 45° | 60° | SIMETRIA | | Lembrete |
|-----|----------------------|----------------------|----------------------|---|--|--|
| SEN | $\frac{1}{2}$ | $\frac{\sqrt{2}}{2}$ | $\frac{\sqrt{3}}{2}$ |  | | Quando dois ângulos forem complementares: $a + b = 90^\circ$ <ul style="list-style-type: none"> • $\text{sen } a = \text{cos } b$ • $\text{sen } b = \text{cos } a$ • $\text{tg } a = \text{cotg } b$ • $\text{tg } b = \text{cotg } a$ |
| COS | $\frac{\sqrt{3}}{2}$ | $\frac{\sqrt{2}}{2}$ | $\frac{1}{2}$ | | | |
| TG | $\frac{\sqrt{3}}{3}$ | 1 | $\sqrt{3}$ | | | |

| | 0° | 30° | 45° | 60° | 90° | 120° | 135° | 150° | 180° | 210° | 225° | 240° | 270° | 300° | 315° | 330° | 360° |
|-----|----|----------------------|----------------------|----------------------|--------|-----------------------|-----------------------|-----------------------|------|-----------------------|-----------------------|-----------------------|--------|-----------------------|-----------------------|-----------------------|------|
| sen | 0 | $\frac{1}{2}$ | $\frac{\sqrt{2}}{2}$ | $\frac{\sqrt{2}}{2}$ | 1 | $\frac{\sqrt{2}}{2}$ | $\frac{\sqrt{2}}{2}$ | $\frac{1}{2}$ | 0 | $-\frac{1}{2}$ | $-\frac{\sqrt{2}}{2}$ | $-\frac{\sqrt{2}}{2}$ | -1 | $-\frac{\sqrt{2}}{2}$ | $-\frac{\sqrt{2}}{2}$ | $-\frac{1}{2}$ | 0 |
| cos | 1 | $\frac{\sqrt{3}}{2}$ | $\frac{\sqrt{2}}{2}$ | $\frac{\sqrt{2}}{2}$ | 0 | $-\frac{\sqrt{2}}{2}$ | $-\frac{\sqrt{2}}{2}$ | $-\frac{\sqrt{3}}{2}$ | -1 | $-\frac{\sqrt{3}}{2}$ | $-\frac{\sqrt{2}}{2}$ | $-\frac{\sqrt{2}}{2}$ | 0 | $\frac{\sqrt{2}}{2}$ | $\frac{\sqrt{2}}{2}$ | $\frac{\sqrt{3}}{2}$ | 1 |
| tg | 0 | $\frac{\sqrt{3}}{3}$ | 1 | 1 | \neq | -1 | -1 | $-\frac{\sqrt{3}}{3}$ | 0 | $\frac{\sqrt{3}}{3}$ | 1 | 1 | \neq | -1 | -1 | $-\frac{\sqrt{3}}{3}$ | 0 |