

| | 0 ° | 30 ° | 45 ° | 60 ° | 90 ° |
|-----|----------|----------------------|----------------------|----------------------|----------|
| sin | 0 | $\frac{1}{2}$ | $\frac{\sqrt{2}}{2}$ | $\frac{\sqrt{3}}{2}$ | 1 |
| cos | 1 | $\frac{\sqrt{3}}{2}$ | $\frac{\sqrt{2}}{2}$ | $\frac{1}{2}$ | 0 |
| tg | 0 | $\frac{\sqrt{3}}{3}$ | 1 | $\sqrt{3}$ | ∞ |
| ctg | ∞ | $\sqrt{3}$ | 1 | $\frac{\sqrt{3}}{3}$ | 0 |

$$\sin \alpha = \frac{\text{nasprotna kateta}}{\text{hipotenuza}}$$

$$\cos \alpha = \frac{\text{priležna kateta}}{\text{hipotenuza}}$$

$$\text{tg} \alpha = \frac{\text{nasprotna kateta}}{\text{priležna kateta}}$$

$$\text{ctg} \alpha = \frac{\text{priležna kateta}}{\text{nasprotna kateta}}$$

$$\text{tg} \alpha \cdot \text{ctg} \alpha = 1$$

$$\text{tg} \alpha = \frac{\sin \alpha}{\cos \alpha}$$

$$\text{ctg} \alpha = \frac{\cos \alpha}{\sin \alpha}$$

$$\sin^2 \alpha + \cos^2 \alpha = 1$$

$$\sin(180 - \alpha) = \sin \alpha$$

$$\cos(180 - \alpha) = -\cos \alpha$$

$$\text{tg}(180 - \alpha) = -\text{tg} \alpha$$

$$\text{ctg}(180 - \alpha) = -\text{ctg} \alpha$$