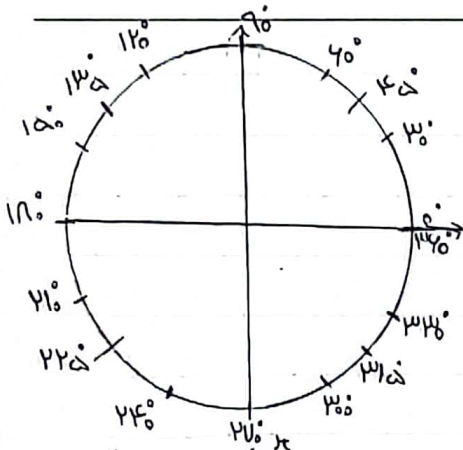
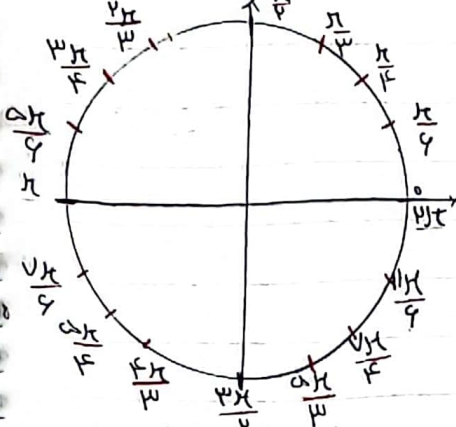


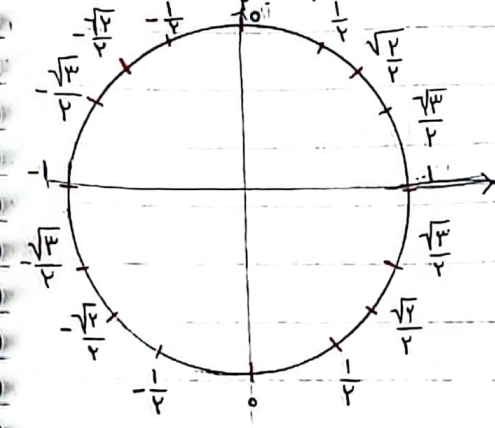
آولين سائيل جايه هم ينجلسنه دختران



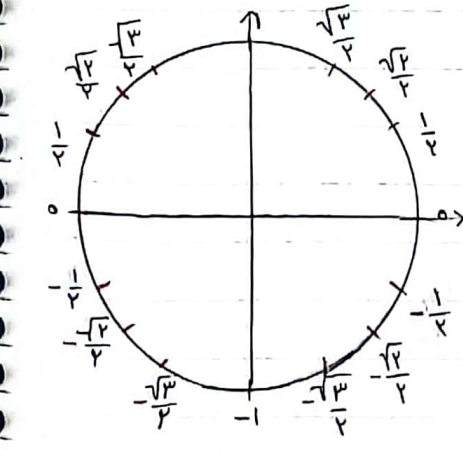
بر حسب دجه



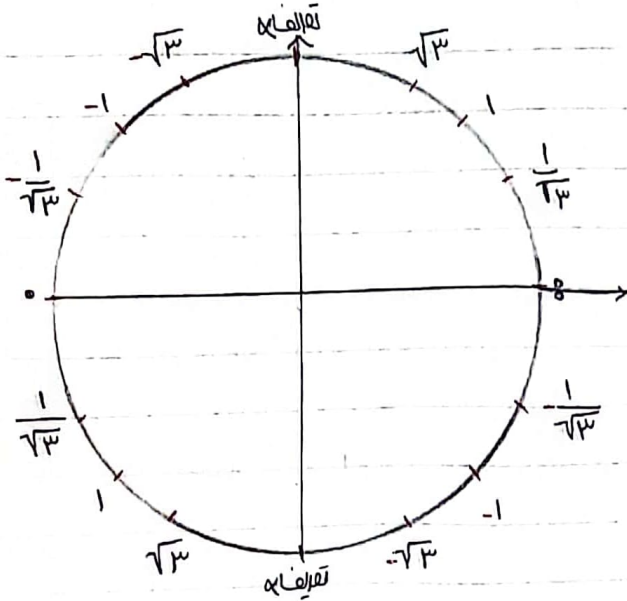
بر حسب راديان



Cos زوايا



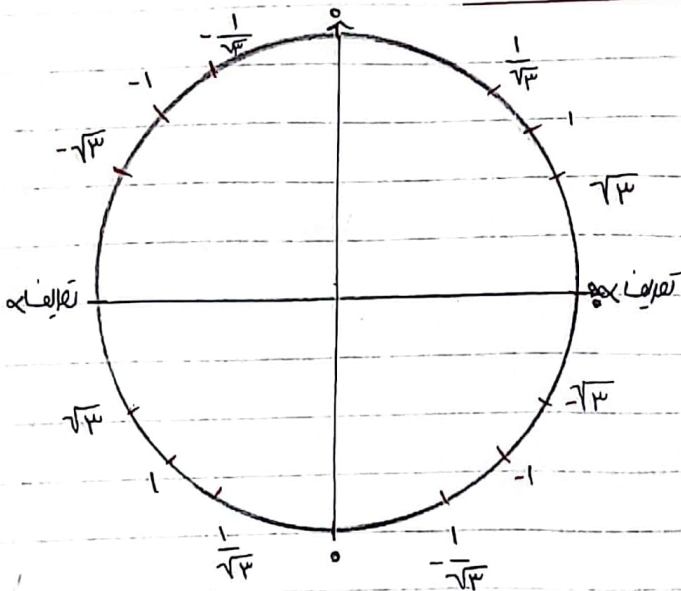
Sin زوايا



tan زوایا

sin cos

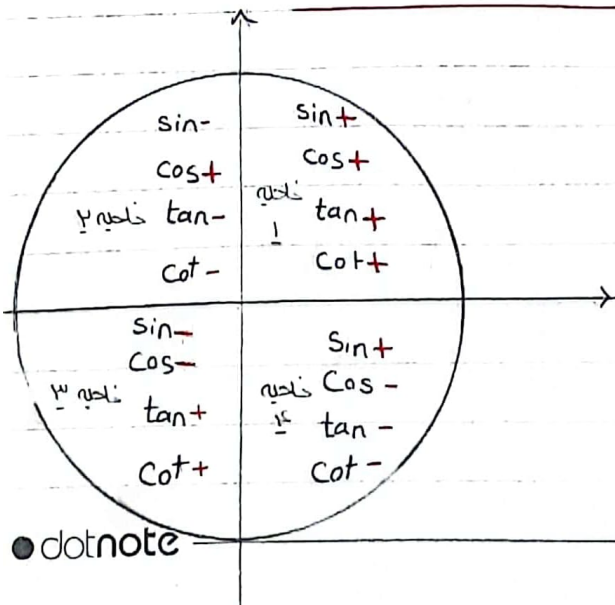
cos sin

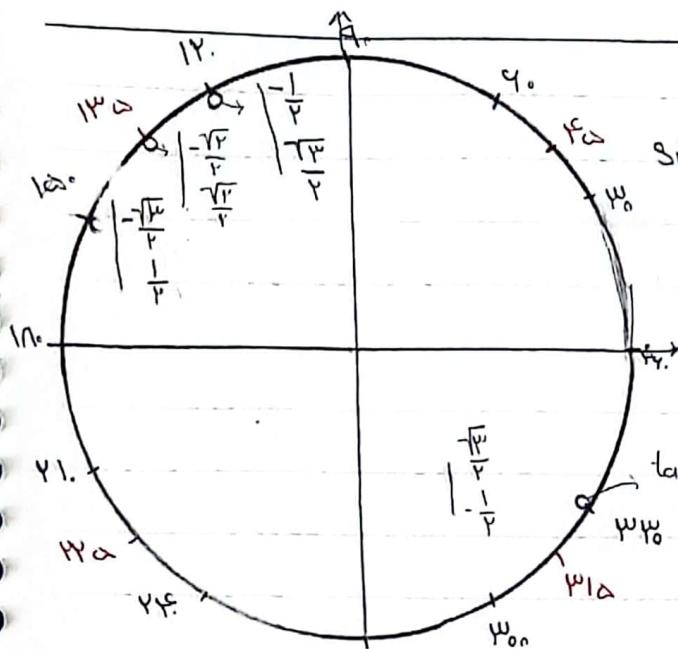


Cot زوایا

cos

sin





$$\sin 120^\circ = \frac{\sqrt{3}}{2}$$

$$\sin 120^\circ = \sin 60^\circ \quad \text{الف}$$

$$\cos 120^\circ = -\frac{1}{2}$$

$$\cos 120^\circ = \cos 240^\circ \quad \text{ب}$$

$$\tan 120^\circ = -\frac{1}{\sqrt{3}}$$

$$\tan 120^\circ = \tan 420^\circ \quad \text{ج}$$

$$\cot 120^\circ = -1$$

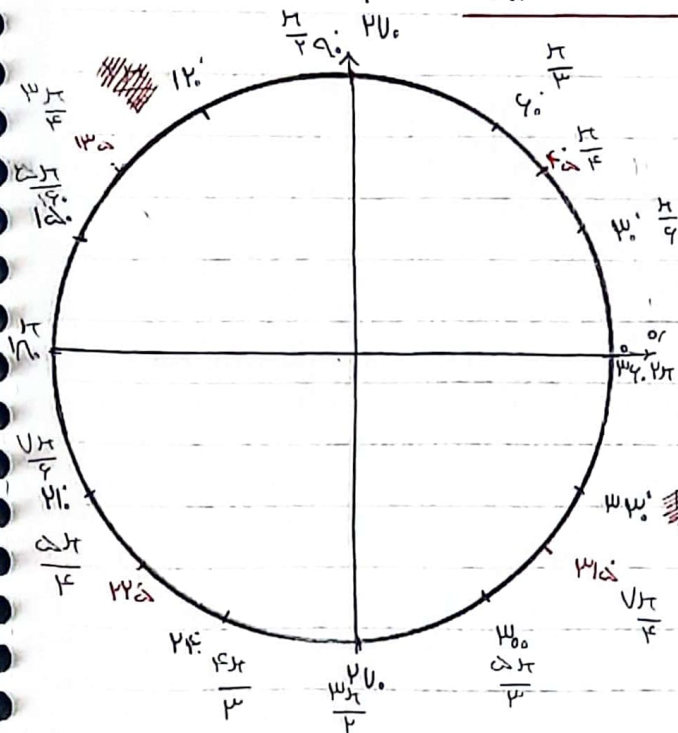
$$\cot 120^\circ = \cot 300^\circ \quad \text{د}$$

$$\tan = \frac{\sin}{\cos} = \frac{-\frac{1}{2}}{\frac{\sqrt{3}}{2}} = -\frac{1}{\sqrt{3}} = -\frac{1}{\sqrt{3}}$$

مشتق ج ←

$$\cot = \frac{\cos}{\sin} = \frac{\frac{\sqrt{3}}{2}}{-\frac{1}{2}} = -\sqrt{3} = -1$$

مشتق د ←



$$\frac{120^\circ}{\cos} = +1 \quad \left[\begin{array}{l} 120^\circ \text{ زاویه} \\ \frac{120^\circ}{3} \end{array} \right]$$

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الف (-)

$$\sin 120^\circ, 120^\circ \text{ بحسب ایدان } \frac{120^\circ}{3}, \frac{120^\circ}{3}$$

$$\frac{120^\circ}{\cos} = -\frac{\sqrt{3}}{2} \quad \left[\begin{array}{l} 120^\circ \text{ زاویه} \\ \frac{120^\circ}{3} \end{array} \right]$$

ب (+)

$$\sin 120^\circ, 120^\circ \text{ بحسب ایدان } \frac{120^\circ}{3}, \frac{120^\circ}{3}$$

$$\cot \frac{120^\circ}{3} = \cot 120^\circ = -1 = \frac{\sqrt{3}}{2} \div -\frac{\sqrt{3}}{2} \cdot \cos ? \rightarrow \cot \frac{120^\circ}{3} = \cos 120^\circ \text{ ایدان } 120^\circ$$

الف

$$\cos 120^\circ = -\frac{\sqrt{3}}{2} \quad \text{مشتق} = \frac{\sqrt{3}}{2} \rightarrow \sin \text{ زاویه} = 90^\circ, 120^\circ \text{ ایدان } \frac{120^\circ}{3}, \frac{120^\circ}{3}$$

ب