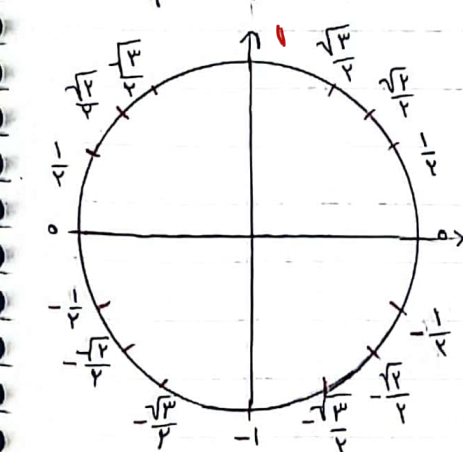
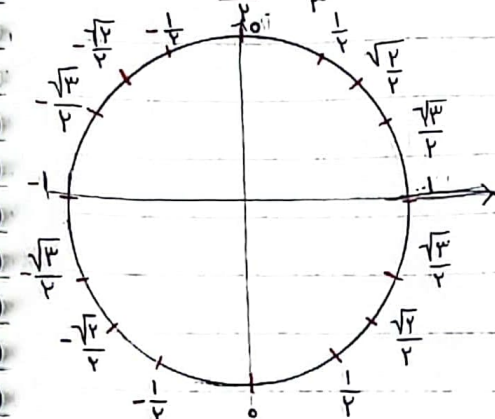
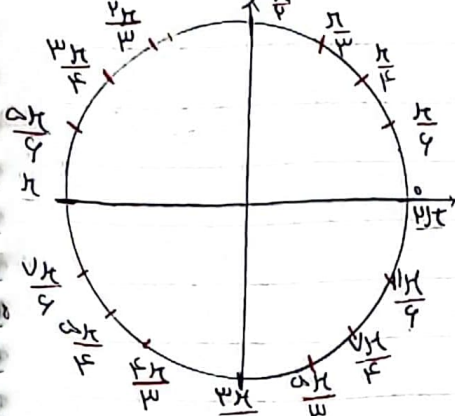
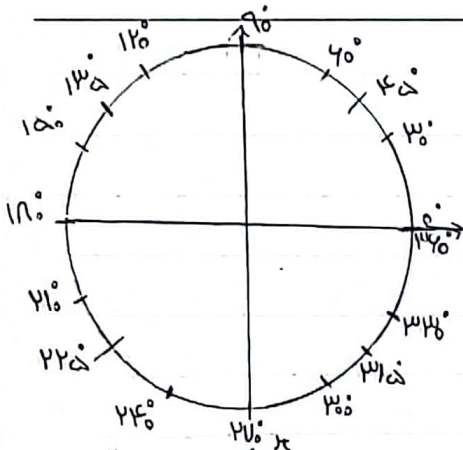


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آولين سائيل جايه هم ينجلسنه دختران
-۱

بر حسب دجه

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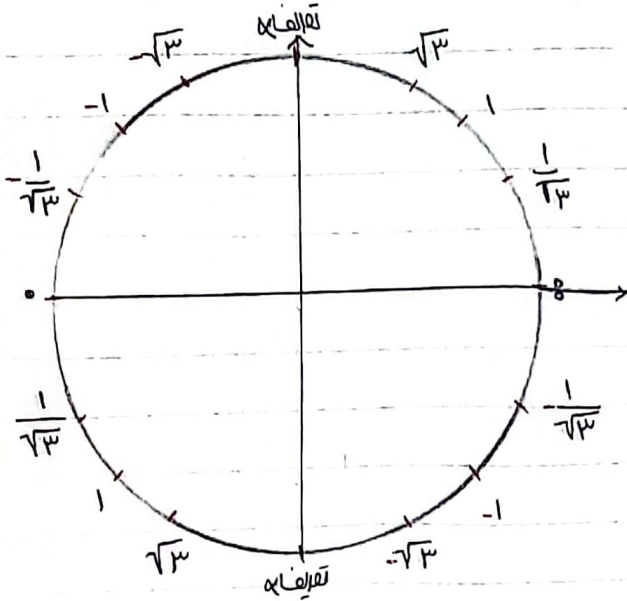


$$\sin 90 = 1$$

Sin رولجا

۱۷۵ -۴

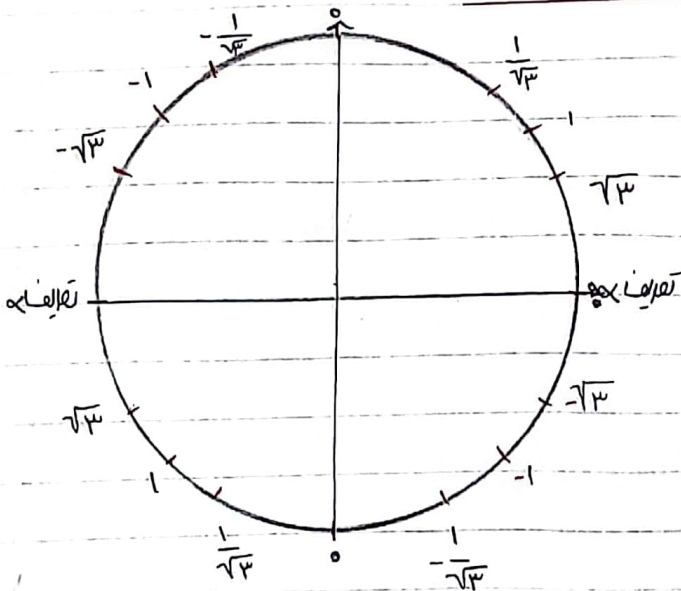
۵



tan

sin cos

cos sin



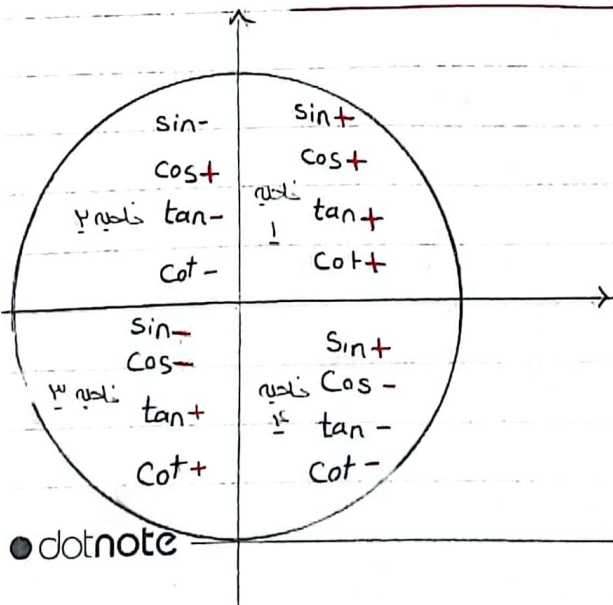
Cot

cos

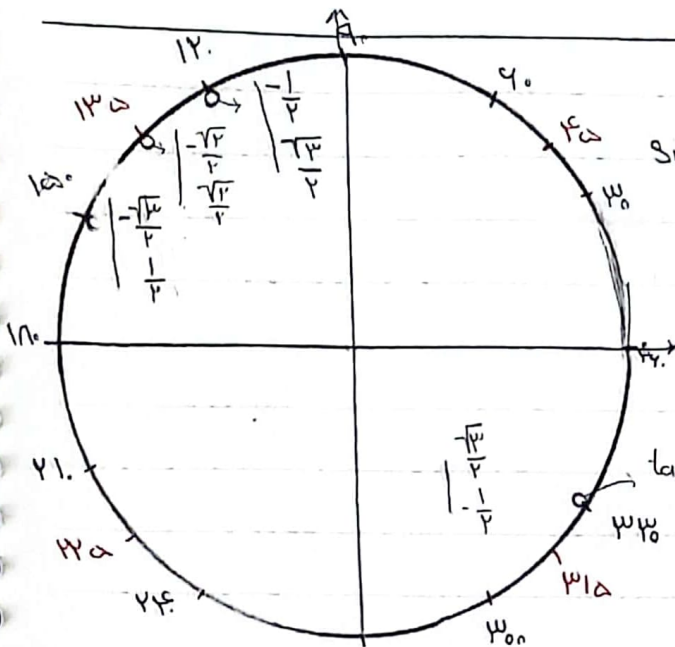
sin

- ۷

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dotnote



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

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

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

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

$$\sin 120^\circ = \sin 60^\circ$$

$$\cos 120^\circ = \cos 240^\circ$$

$$\tan 120^\circ = \tan 420^\circ$$

$$\cot 120^\circ = \cot 300^\circ$$

الف)

ب)

ج)

د)

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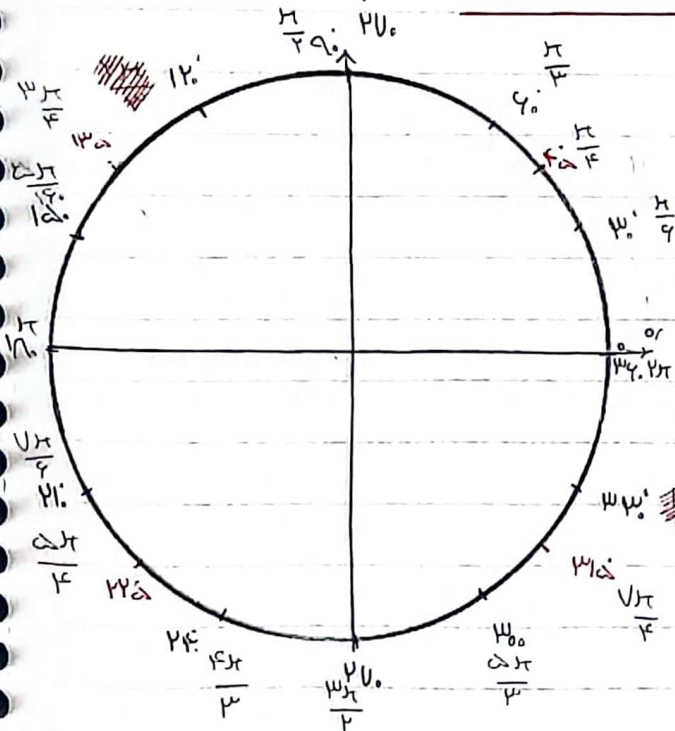
تلفات ج

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

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

تلفات د

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$$\frac{11\pi}{6} \text{ زاویه } \cos = +\frac{1}{2} \left[\frac{2\pi}{3} \right]$$

$$\sin 30^\circ, 150^\circ \text{ بحسب ایدان } \frac{\pi}{6}, \frac{5\pi}{6}$$

$$\frac{11\pi}{6} \text{ زاویه } \cos = -\frac{\sqrt{3}}{2} \left[\frac{5\pi}{6}, \frac{11\pi}{6} \right]$$

$$\sin 240^\circ, 300^\circ \text{ بحسب ایدان } \frac{4\pi}{3}, \frac{5\pi}{3}$$

الف)

ب)

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$$\cot \frac{11\pi}{6} = \cot 30^\circ = -1 = \frac{\sqrt{3}}{2} \div -\frac{\sqrt{3}}{2} \cdot \cos ? \rightarrow \cot \frac{11\pi}{6} = \cos 120^\circ \text{ ایدان } 120^\circ$$

الف)

$$\cos 120^\circ = -\frac{\sqrt{3}}{2} \text{ زاویه } = \frac{\sqrt{3}}{2} \rightarrow \sin \text{ زاویه } = 60^\circ, 120^\circ \text{ ایدان } \frac{\pi}{3}, \frac{2\pi}{3}$$

ب)