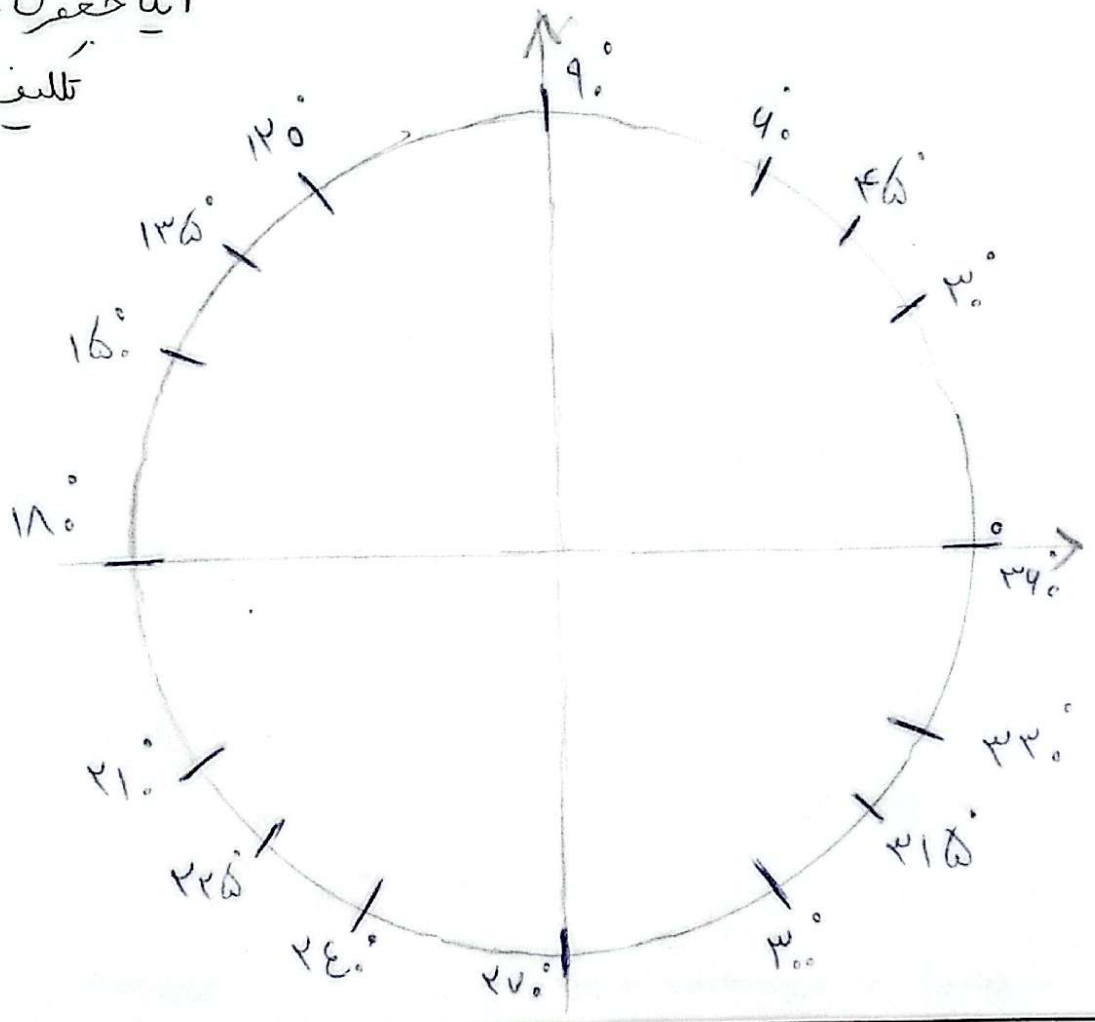
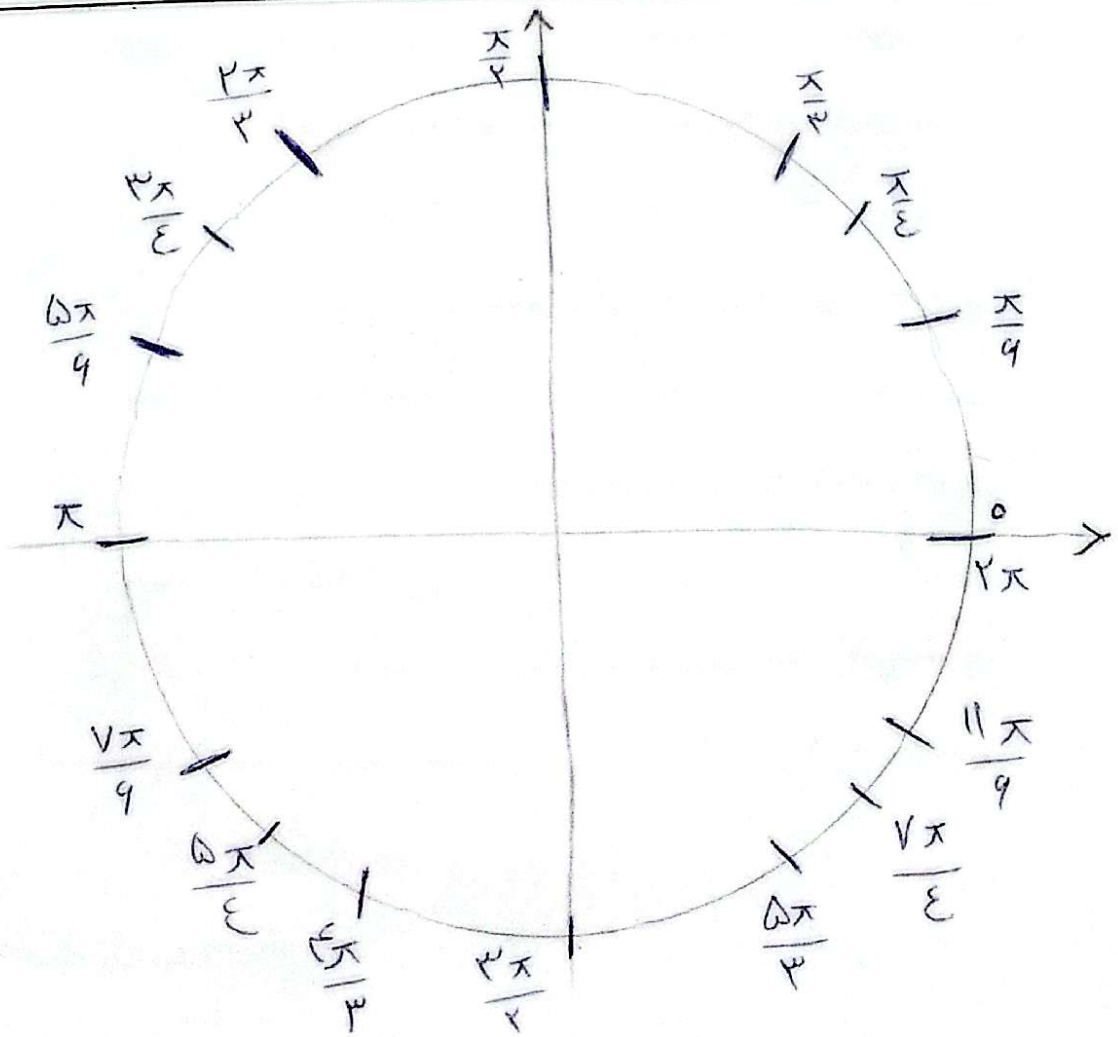
آیا جعفری - دهم رضته A

تکلیف شماره ۲

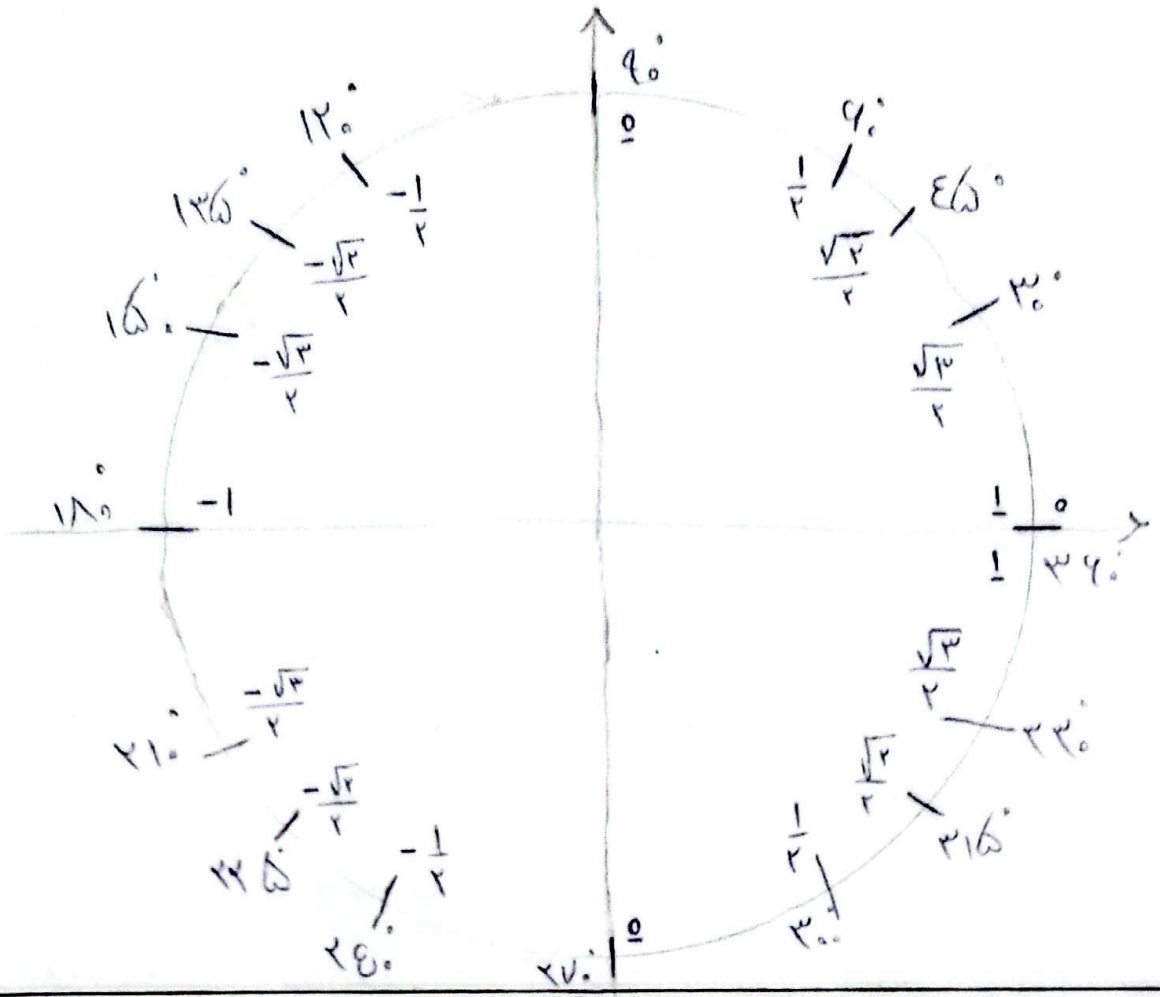
۱-



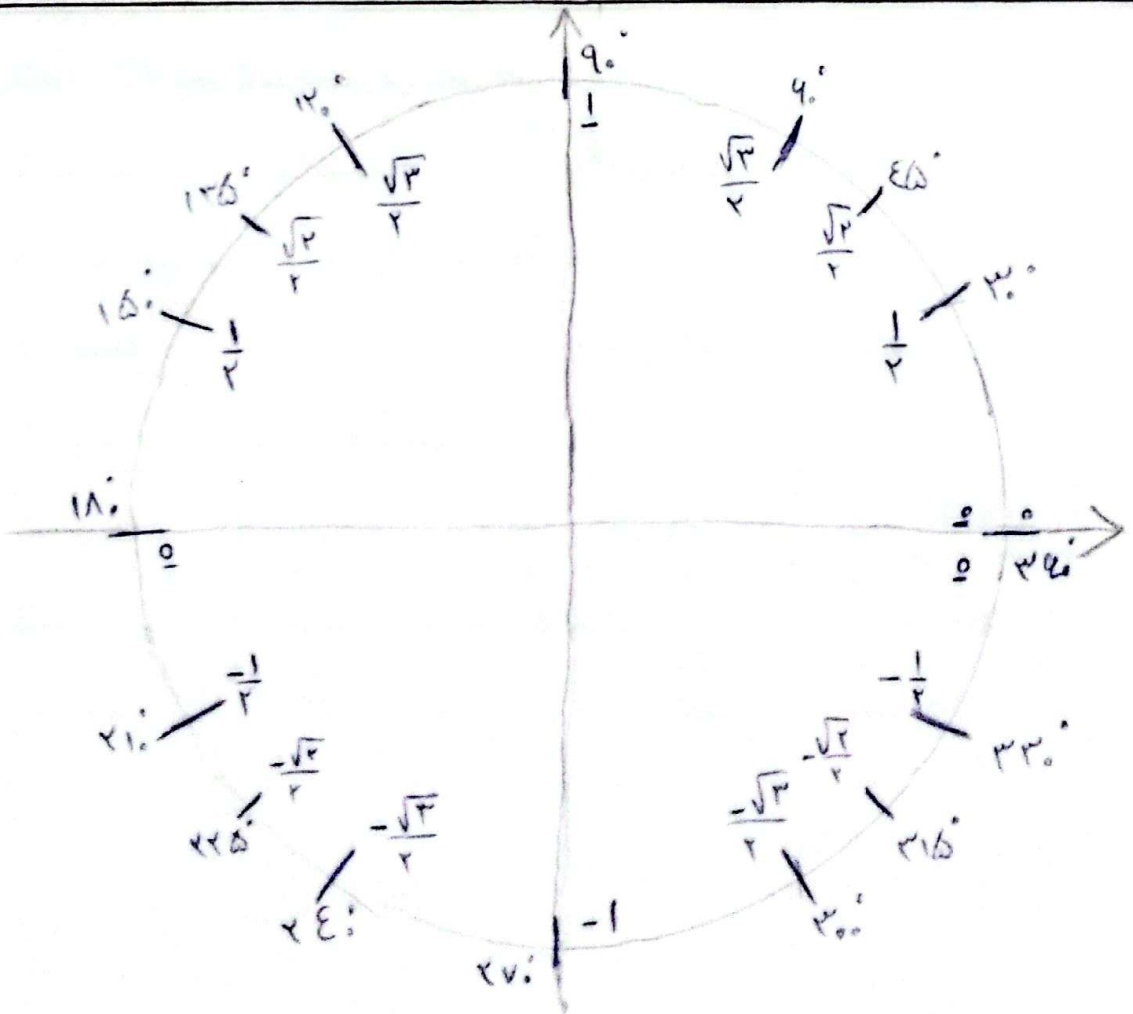
۲-



-٣



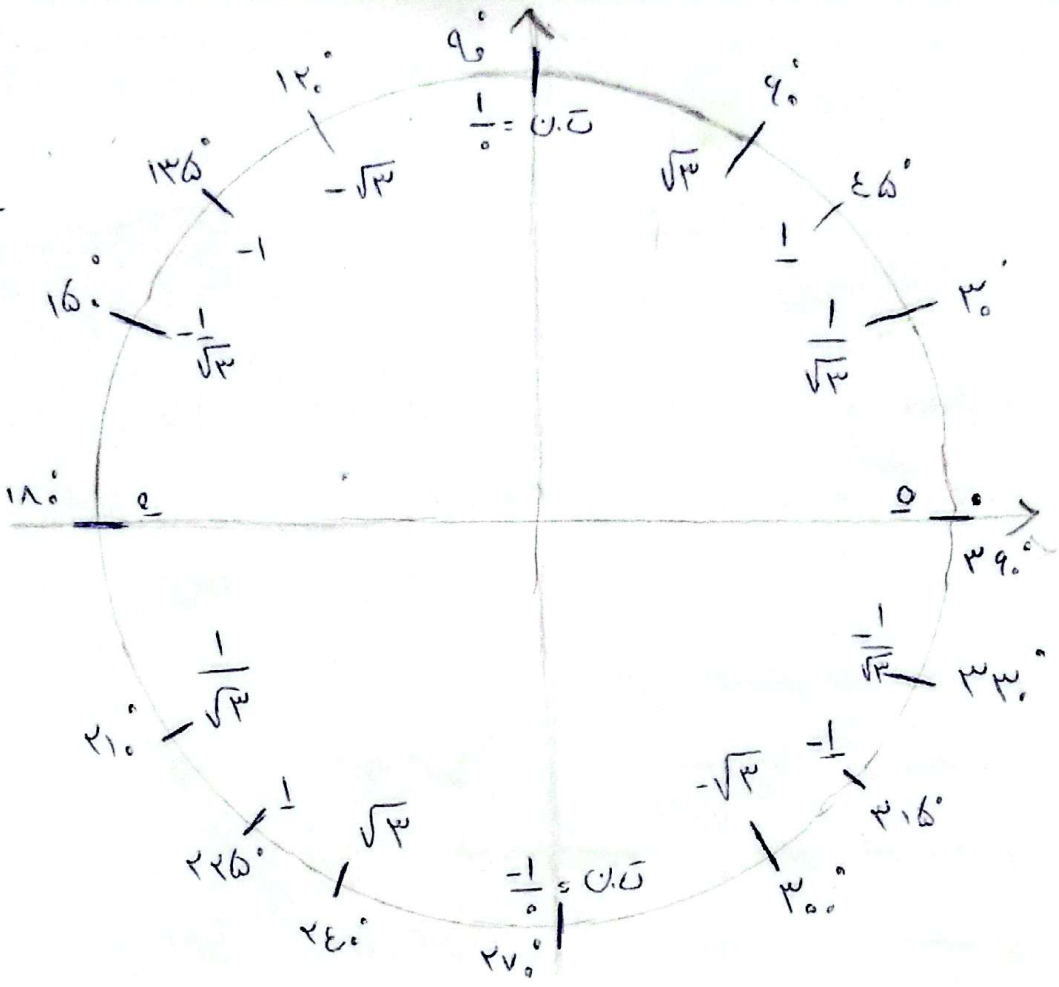
-٤



-٥

$\tan = \frac{Sin}{Cos} \leftarrow y$

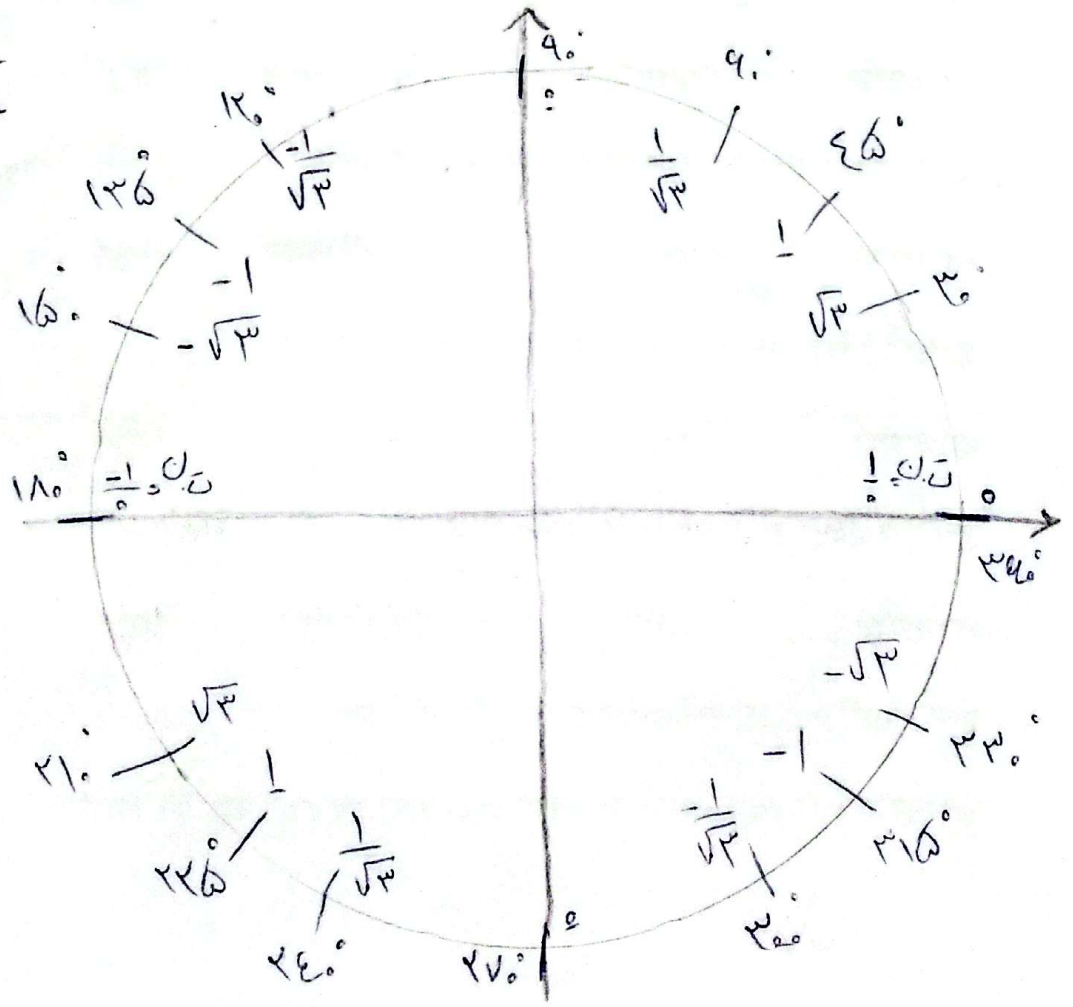
$x \leftarrow$

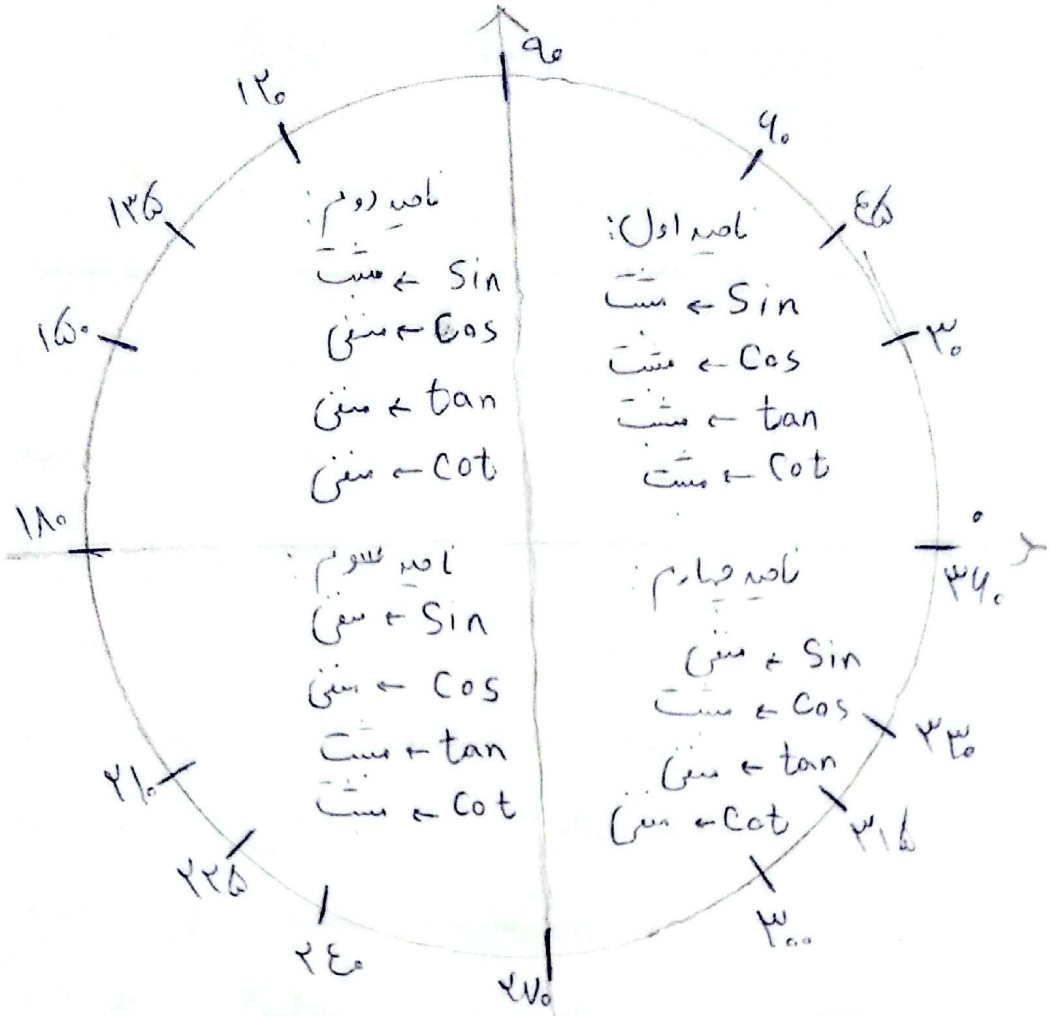


-٩

$Cot = \frac{Cos}{Sin} \leftarrow y$

$x \leftarrow$





۸- الف) $\sin 120^\circ = \frac{\sqrt{3}}{2} \rightarrow \sin \square = \frac{\sqrt{3}}{2} \rightarrow \square = 60^\circ$

ب) $\cos 150^\circ = -\frac{\sqrt{3}}{2} \rightarrow \cos \square = -\frac{\sqrt{3}}{2} \rightarrow \square = 210^\circ$

ج) $\tan 330^\circ = \frac{-1}{\sqrt{3}} \rightarrow \tan \square = -\frac{1}{\sqrt{3}} \rightarrow \square = 150^\circ$

د) $\cot 135^\circ = -1 \rightarrow \cot \square = -1 \rightarrow \square = 315^\circ$

۹- الف) $\cos \frac{2\pi}{3} = \cos 120^\circ = -\frac{1}{2} \xrightarrow{\text{قرینه}} \frac{1}{2} \rightarrow \sin \square = \frac{1}{2} \rightarrow \square = 30^\circ, 150^\circ$

$30^\circ \rightarrow \frac{\pi}{6}$ ، $150^\circ \rightarrow \frac{5\pi}{6}$

ب) $\cos \frac{11\pi}{6} = \cos 330^\circ = \frac{\sqrt{3}}{2} \xrightarrow{\text{قرینه}} -\frac{\sqrt{3}}{2} \rightarrow \sin \square = -\frac{\sqrt{3}}{2} \rightarrow \square = 240^\circ, 300^\circ$

$240^\circ \rightarrow \frac{4\pi}{3}$ ، $300^\circ \rightarrow \frac{5\pi}{6}$

۱۰- الف)

$\cot \frac{7\pi}{4} = \cot 315^\circ = -1 \rightarrow \cos \square = -1 \rightarrow \square = 180^\circ$

ب)

$\cos 150^\circ = -\frac{\sqrt{3}}{2}$ هم‌ارز $\frac{\sqrt{3}}{2} \rightarrow \sin \square = \frac{\sqrt{3}}{2} \rightarrow \square = 60^\circ, 120^\circ$