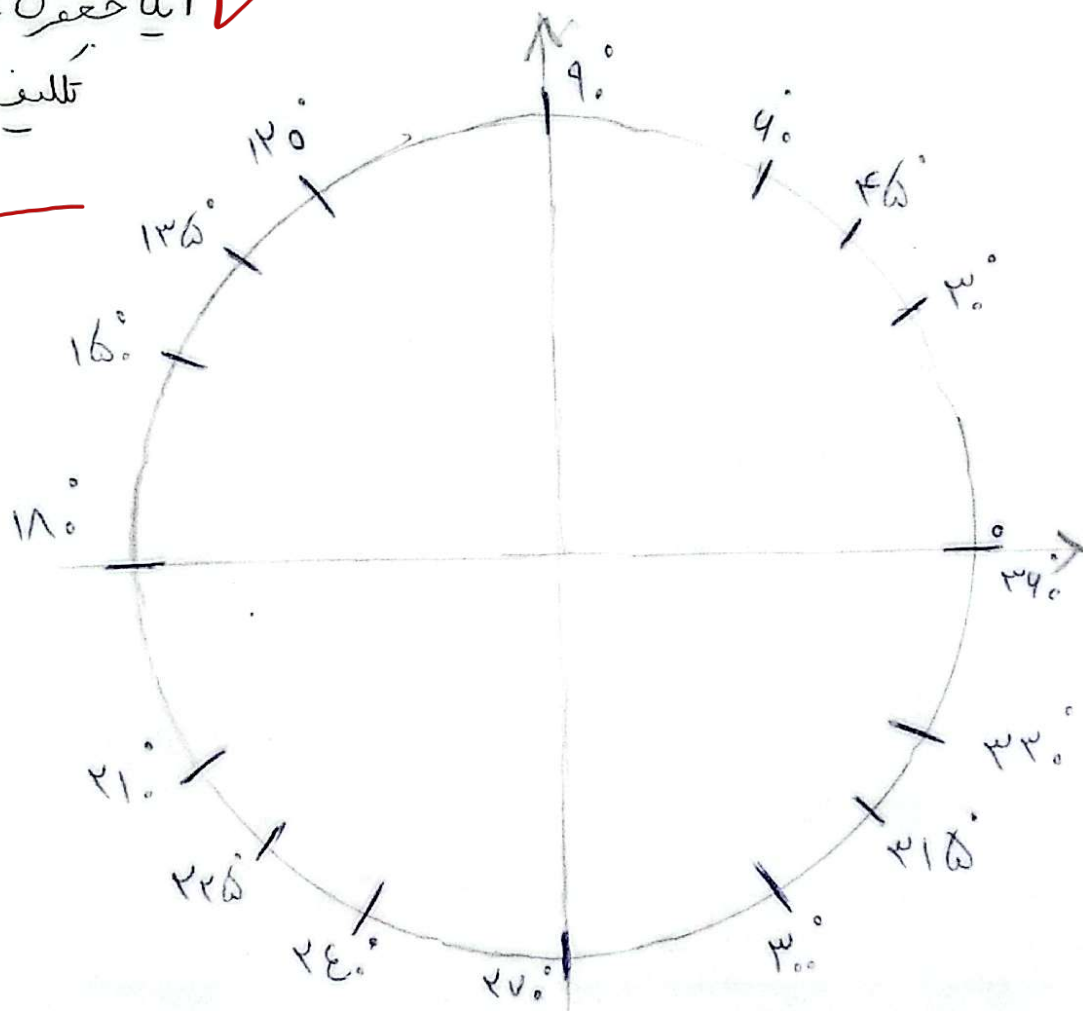
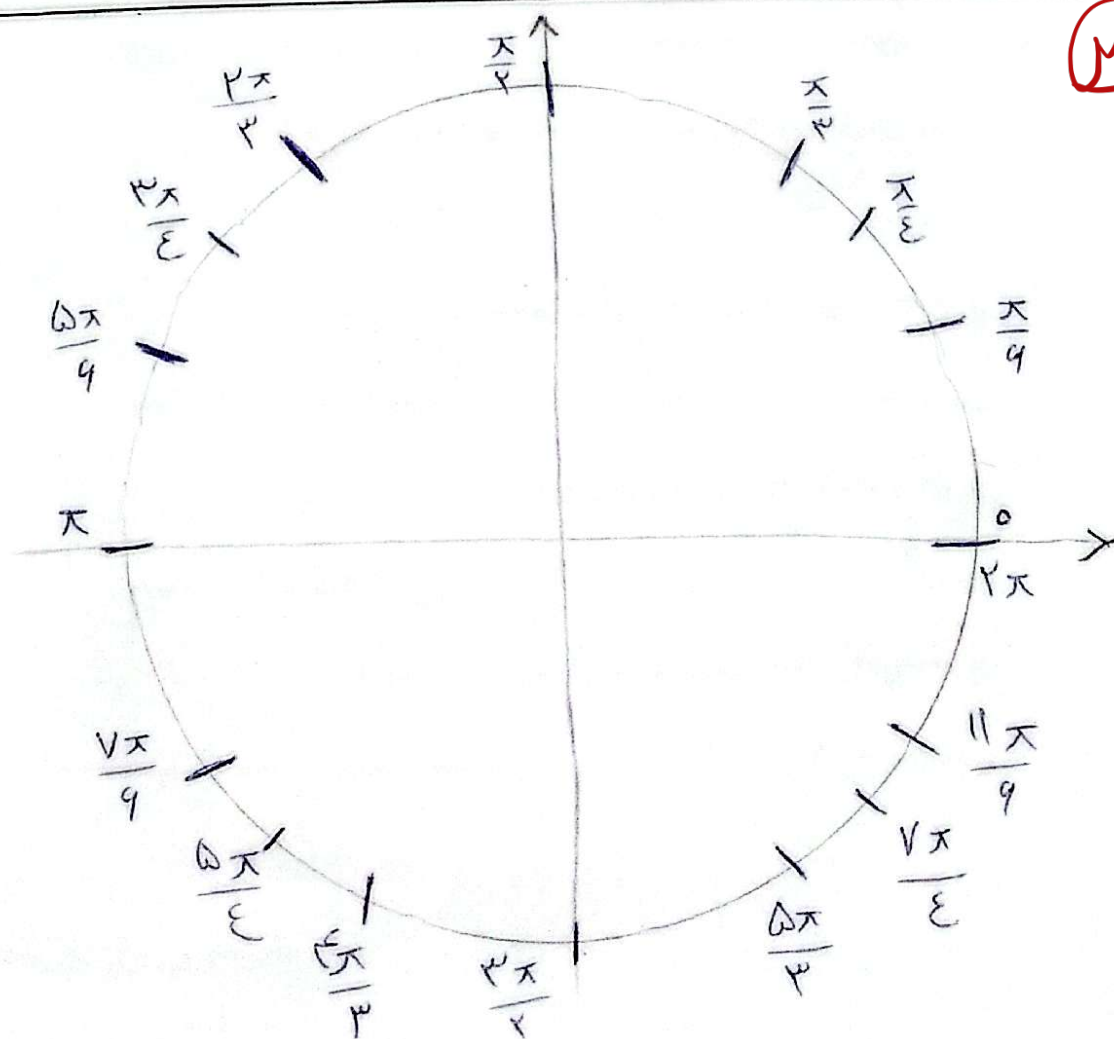


آیة جعفری - دهم نصره A
تکلیف شماره دو

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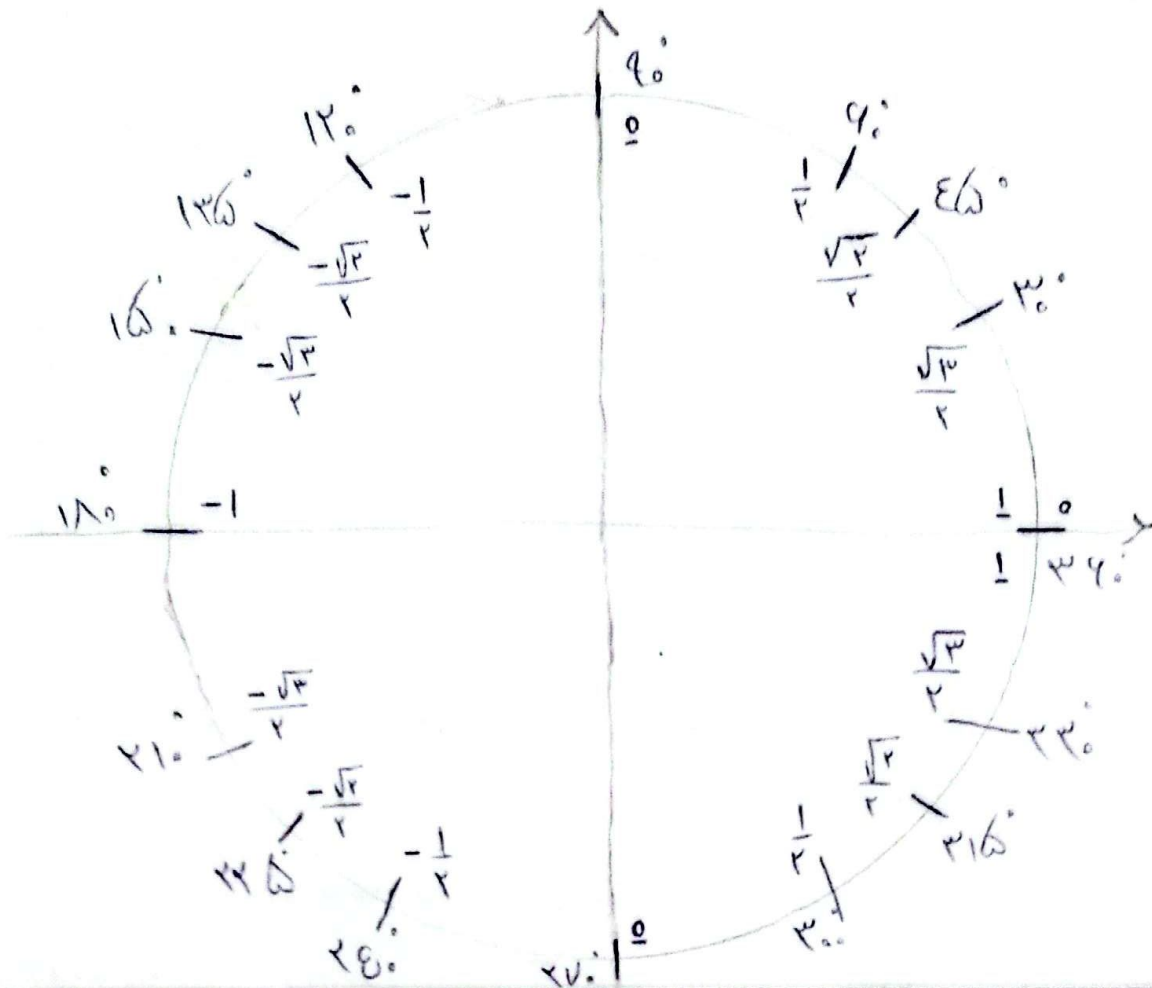
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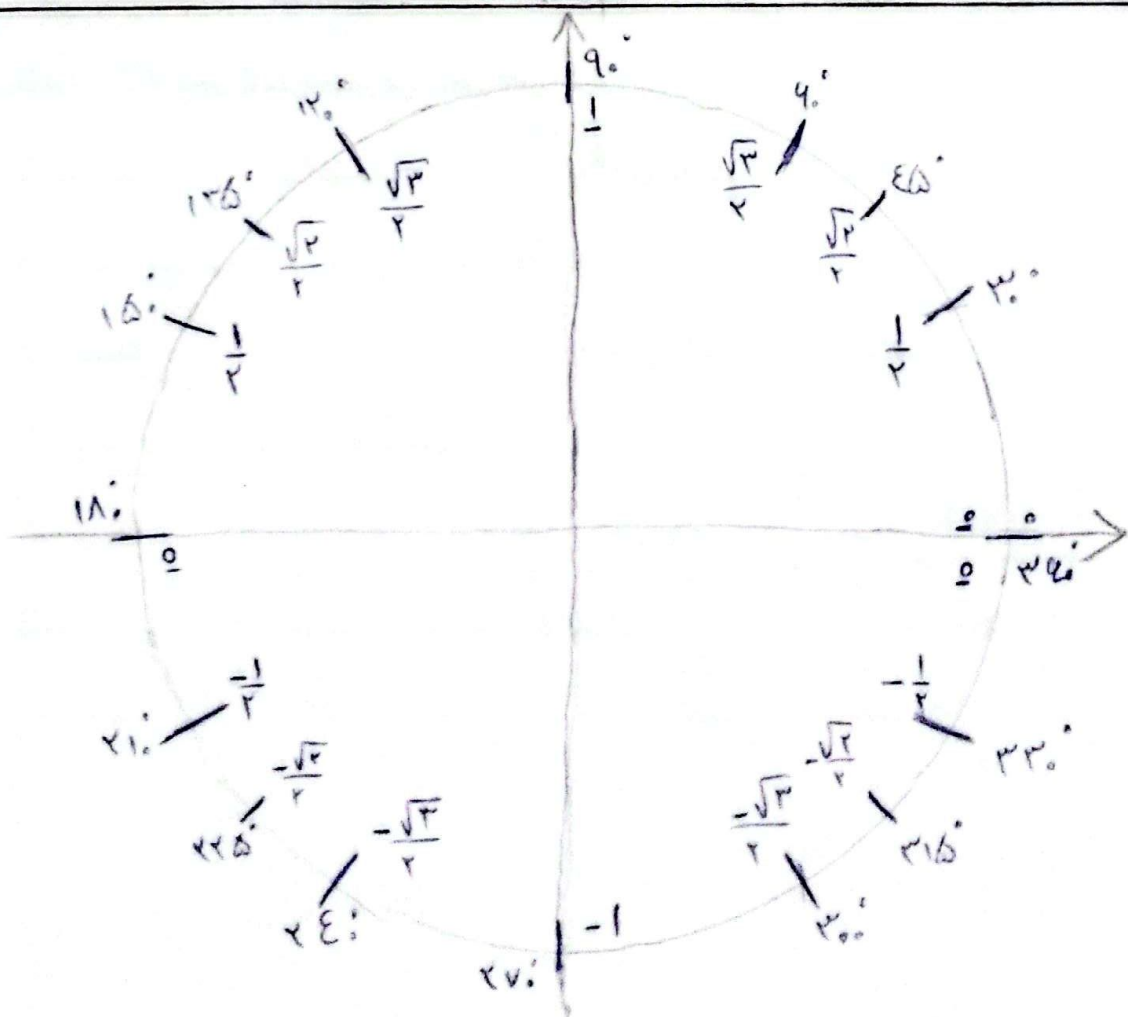
- 12

(2)

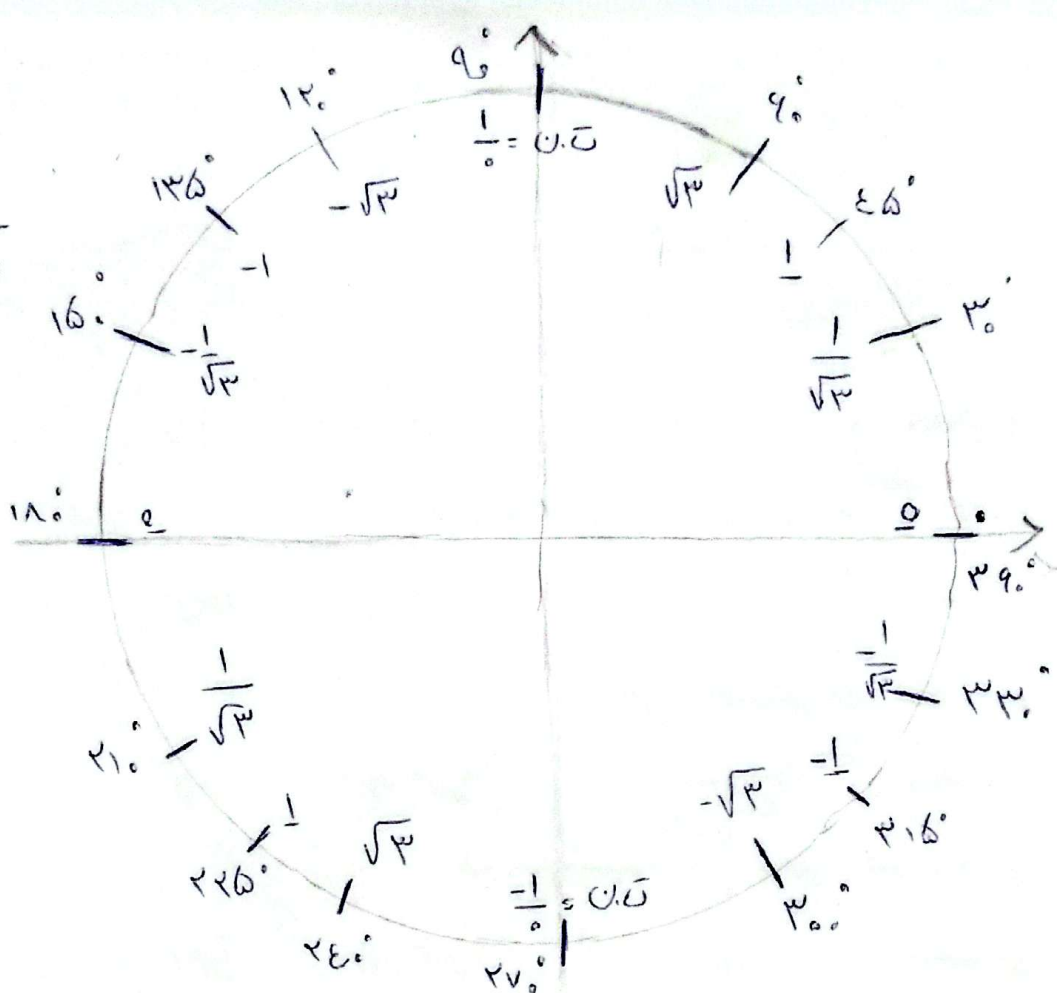


- 13

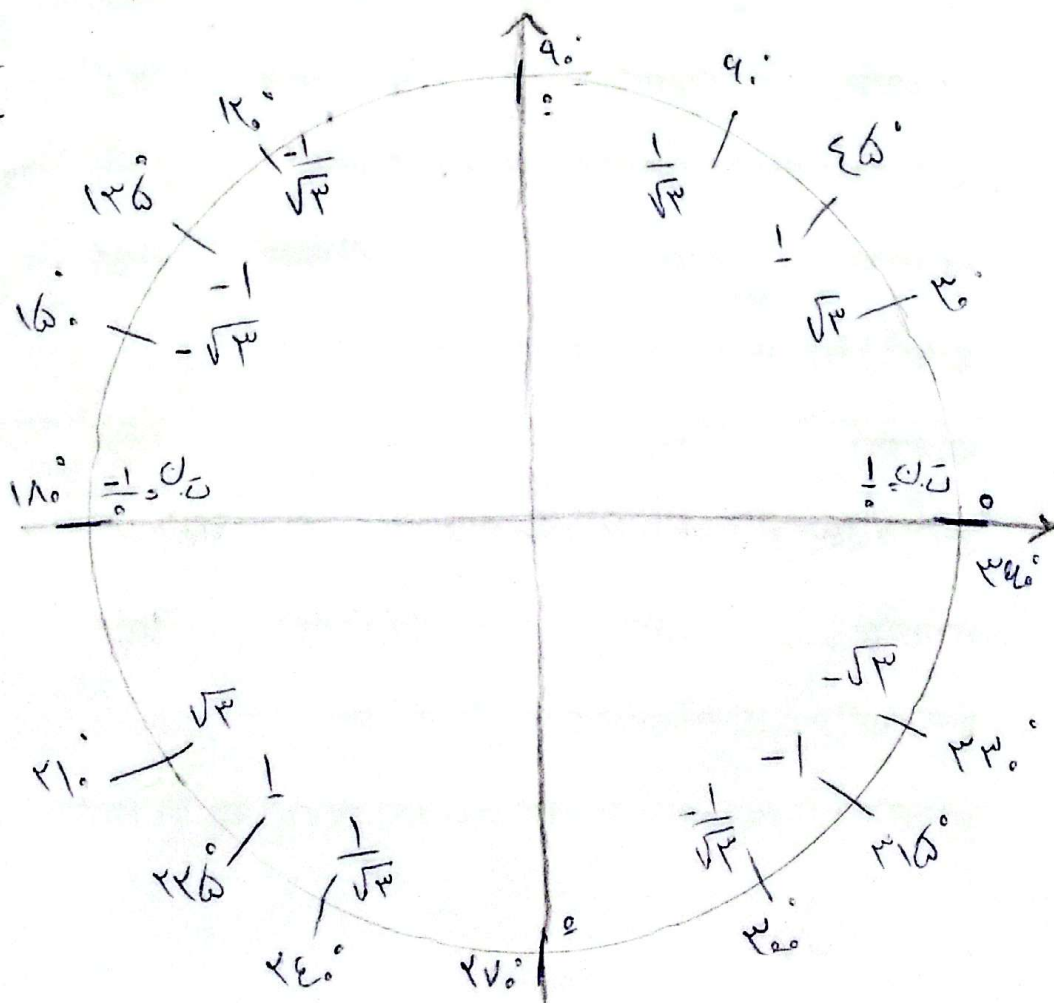
(3)



$$\tan x = \frac{y}{x} = \frac{\sin x}{\cos x}$$



$$\cot x = \frac{x}{y} = \frac{\cos x}{\sin x}$$

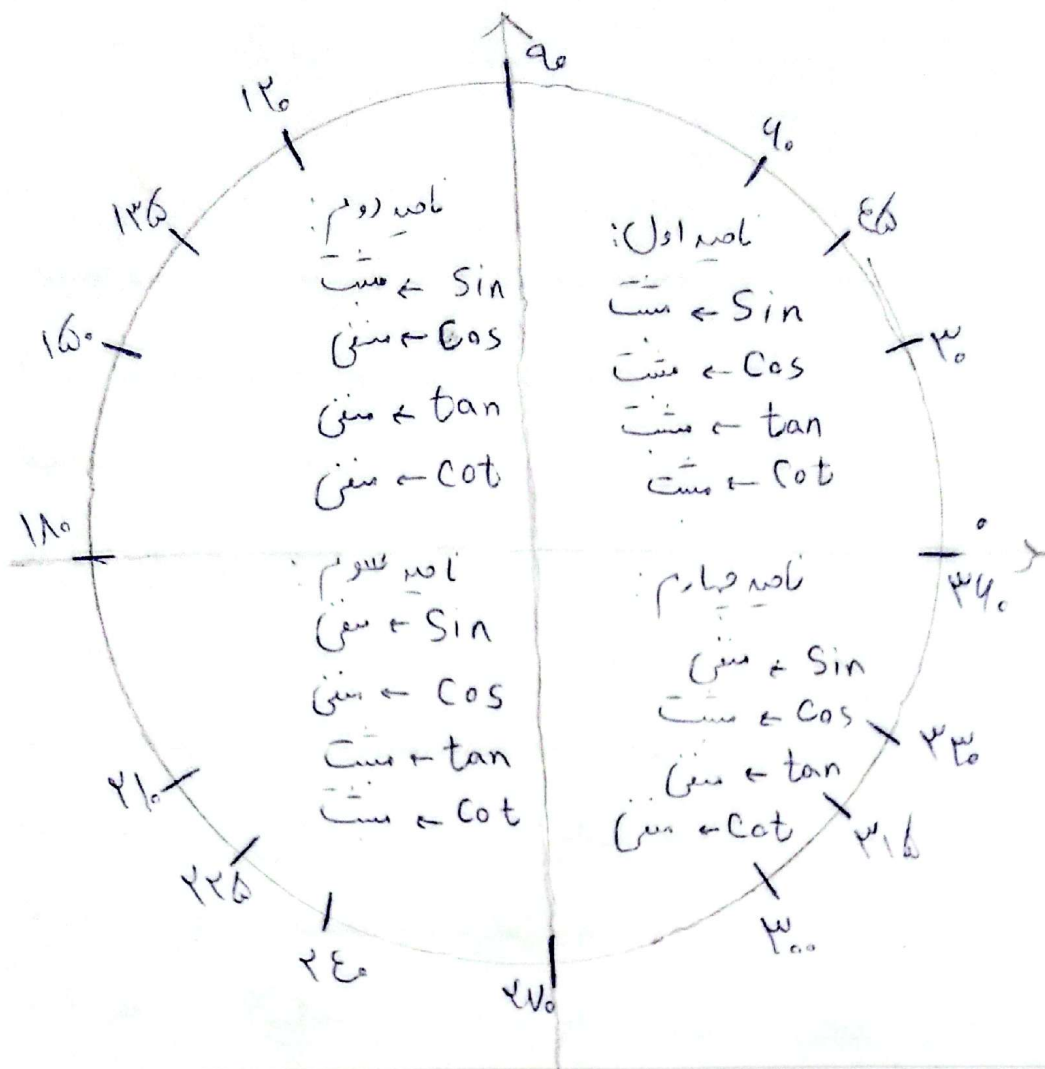


-5

5

-4

4



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$\sin 12^\circ = \frac{\sqrt{3}}{2} \rightarrow \sin \square = \frac{\sqrt{3}}{2} \rightarrow \square = 60^\circ$

$\cos 15^\circ = -\frac{\sqrt{3}}{2} \rightarrow \cos \square = -\frac{\sqrt{3}}{2} \rightarrow \square = 210^\circ$

$\tan 33^\circ = \frac{-1}{\sqrt{3}} \rightarrow \tan \square = \frac{-1}{\sqrt{3}} \rightarrow \square = 150^\circ$

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

١- الف (٢)

(ب)

(ج)

(د)

٩- الف (٢) $\cos \frac{2\pi}{3} = \cos 120^\circ = -\frac{1}{2} \xrightarrow{\text{مقلوب}} \left(\frac{1}{2}\right) \rightarrow \sin \square = \frac{1}{2} \rightarrow \square = 30^\circ, 150^\circ$

(٢)

(ب) $\cos \frac{11\pi}{4} = \cos 315^\circ = \frac{\sqrt{2}}{2} \xrightarrow{\text{مقلوب}} \left(\frac{\sqrt{2}}{2}\right) \rightarrow \sin \square = \frac{\sqrt{2}}{2} \rightarrow \square = 45^\circ, 135^\circ$

$$\cot \frac{\sqrt{x}}{\varepsilon} = \cot 315^\circ = -1 \rightarrow \cos \square = -1 \rightarrow \square = 180^\circ$$

١٠ - الف)

٢

ب)

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