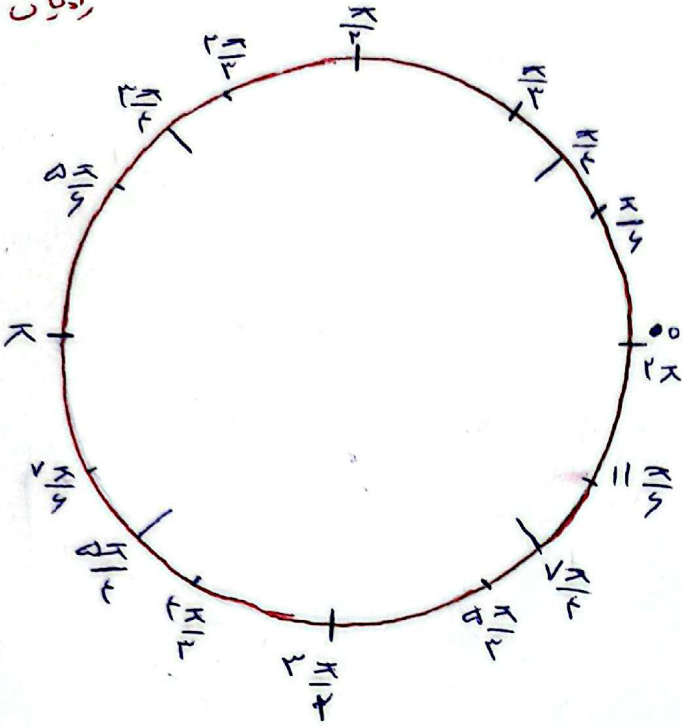
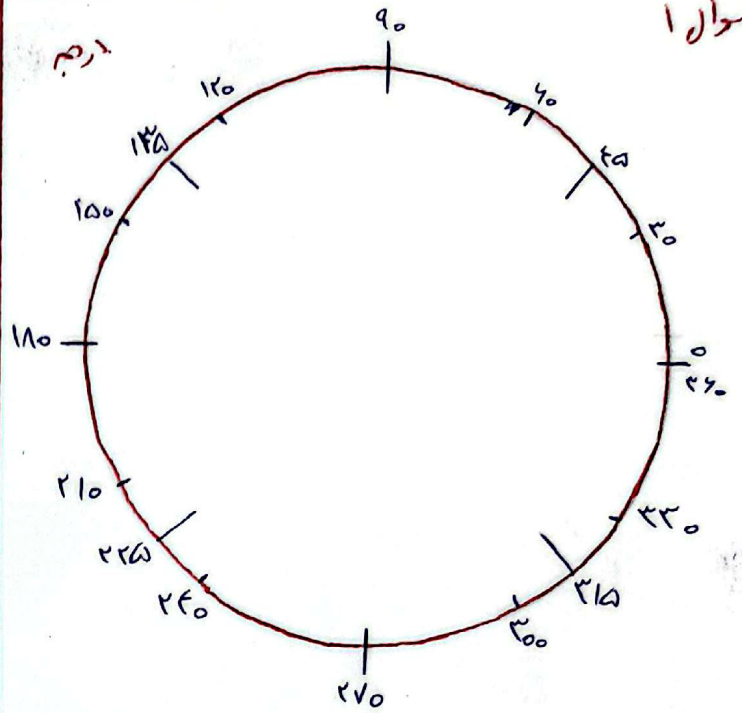


رادیان



سوال ۱

درجہ

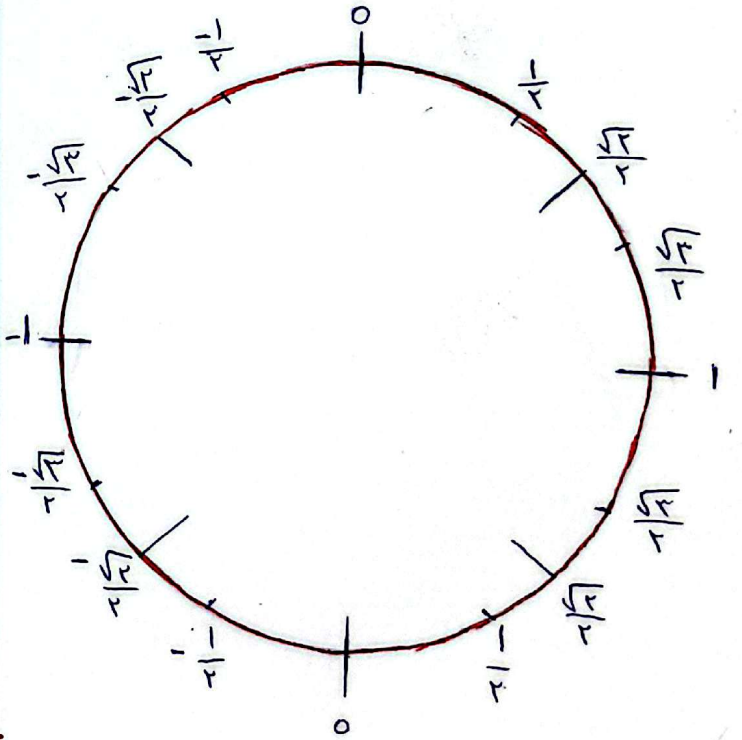
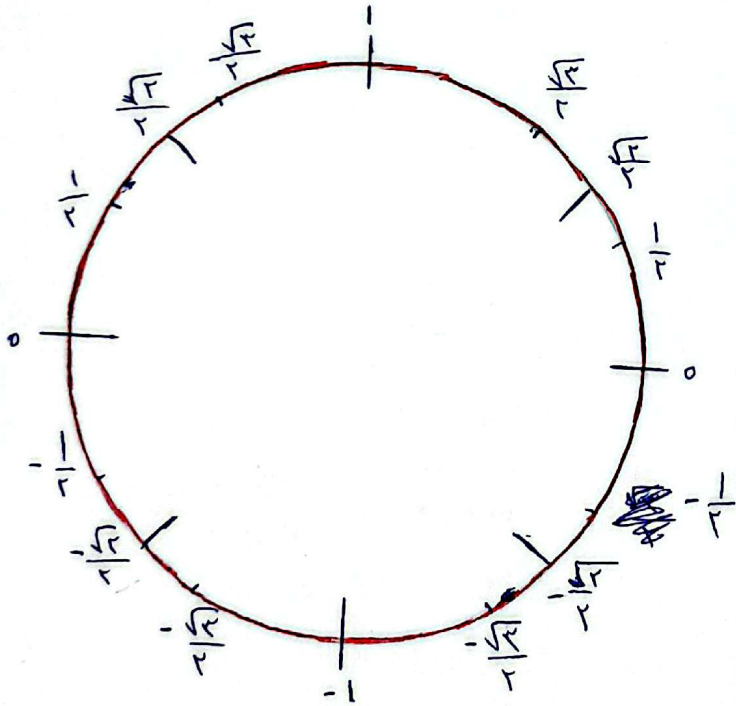


sin

سوال ۳

cos

سوال ۲

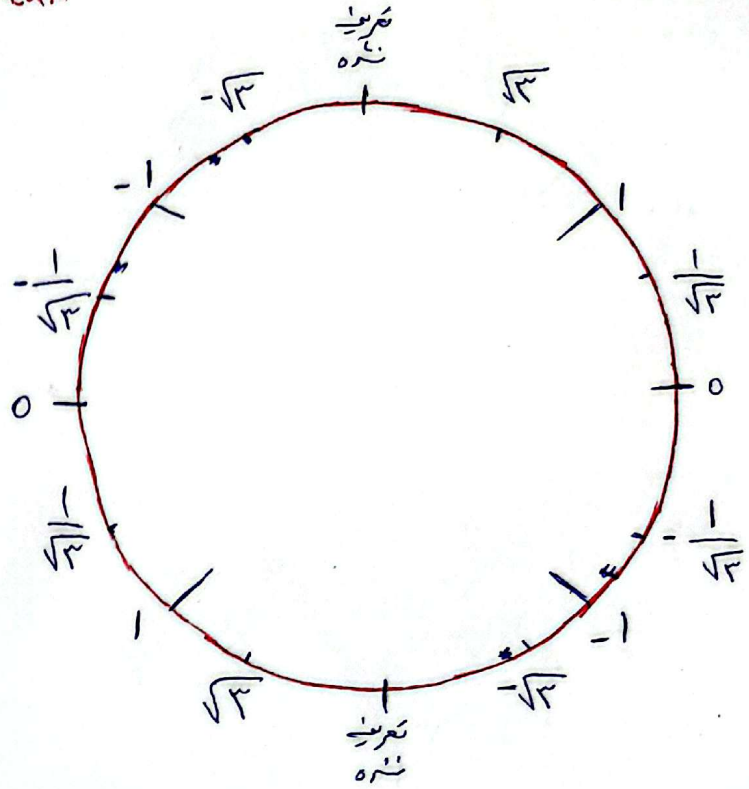
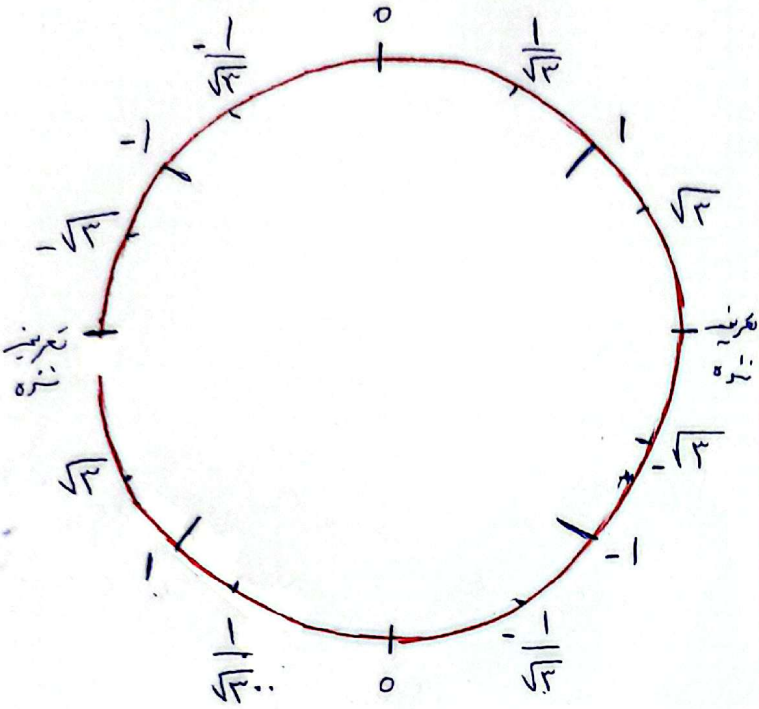


سوال ۵

tan

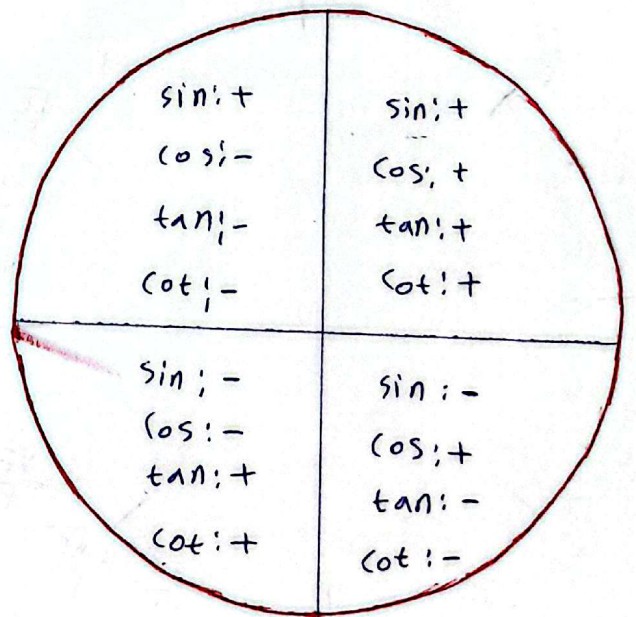
سوال ۶

cot



علامت

۷ سوال



الف) $\sin 180^\circ = \sin 360^\circ = \frac{\sqrt{2}}{2} \leftarrow$ درجه 45

ب) $\cos 180^\circ = \cos 360^\circ = -\frac{\sqrt{2}}{2} \leftarrow$ درجه 45

2) $\tan 180^\circ = \frac{-\frac{1}{\sqrt{2}}}{\frac{-1}{\sqrt{2}}} = \frac{-\frac{1}{\sqrt{2}}}{-\frac{1}{\sqrt{2}}} \leftarrow$ درجه 180

د) $\cot 180^\circ = \frac{-\frac{\sqrt{2}}{2}}{\frac{-1}{\sqrt{2}}} = -1 \leftarrow$ درجه 45

$\cos \frac{3\pi}{2} = \cos 180^\circ = -\frac{1}{2} \xrightarrow{\frac{3\pi}{2}} \frac{1}{2} \rightarrow \frac{1}{2} = \sin 90^\circ$ و $\sin 180^\circ$

$\sin \frac{\pi}{4}$

$\sin \frac{3\pi}{4}$

الف)

$\cos \frac{11\pi}{2} = \cos 315^\circ = \frac{\sqrt{2}}{2} \xrightarrow{\frac{11\pi}{2}} -\frac{\sqrt{2}}{2} \rightarrow -\frac{\sqrt{2}}{2} = \sin 225^\circ, \sin 300^\circ$

$\sin \frac{4\pi}{2}$

$\sin \frac{9\pi}{2}$

ب)

$\cot \frac{\pi}{2} = \cot 90^\circ = -1 = \cos 180^\circ$

$= \frac{\frac{1}{\sqrt{2}}}{-\frac{1}{\sqrt{2}}}$

ج)

$\cos 180^\circ = \cos 360^\circ = -\frac{1}{2} \xrightarrow{\frac{3\pi}{2}} \frac{1}{2} \rightarrow \frac{1}{2} = \sin 90^\circ, \sin 30^\circ$

د)

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ب

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