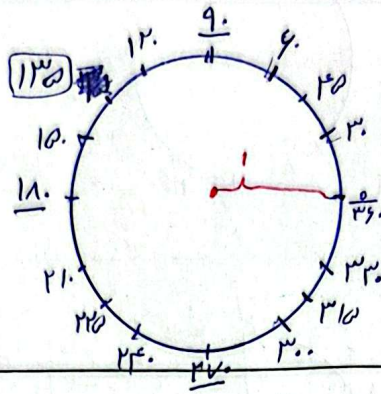
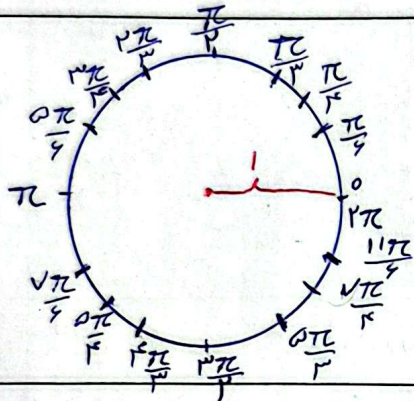


در تمام سوالات
باید محور کشیده شود



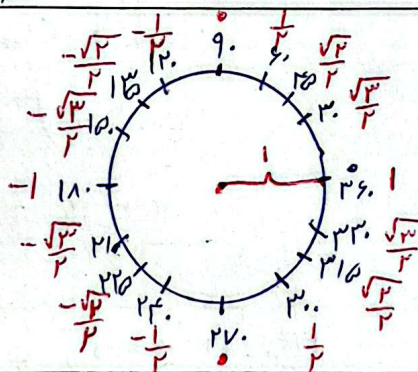
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۱/۱۷۵

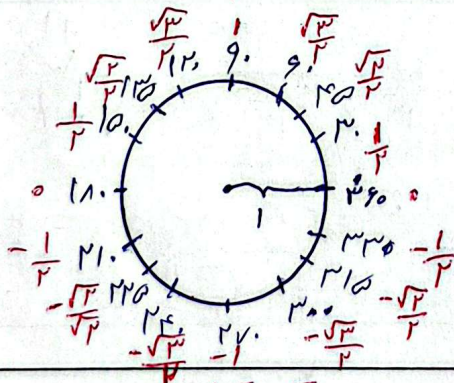
۲



cos

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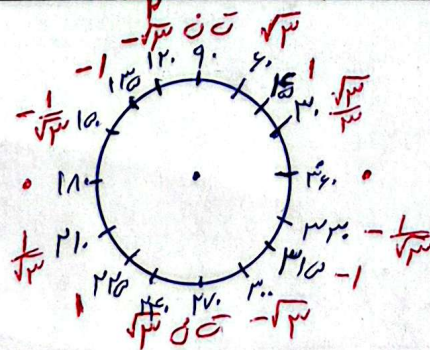
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sin

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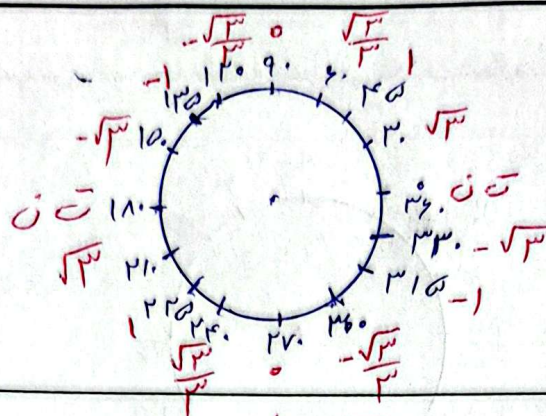


$$\tan = \frac{\sin}{\cos}$$

$$\frac{\sqrt{3}}{1} = \frac{1}{\frac{1}{\sqrt{3}}}$$

۱/۱۷۵

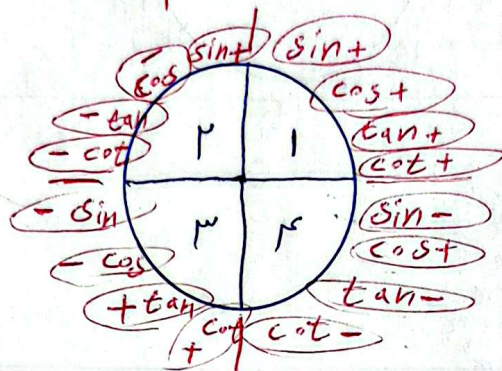
۵



11/10/20

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

$$-\frac{\sqrt{3}}{3} = -\frac{1}{\sqrt{3}}$$



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

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

$$\sin \frac{\pi}{4} = \sin 45^\circ = \frac{\sqrt{2}}{2}$$

$$\cos \frac{\pi}{4} = \cos 45^\circ = \frac{\sqrt{2}}{2}$$

$$\tan \frac{\pi}{4} = \tan 45^\circ = 1$$

$$\cot \frac{\pi}{4} = \cot 45^\circ = 1$$

$$\frac{\pi}{3} = 60^\circ \rightarrow \cos 60^\circ = \frac{1}{2}$$

$$\frac{\pi}{6} = 30^\circ \rightarrow \sin 30^\circ = \frac{1}{2}$$

$$\frac{2\pi}{3} = 120^\circ \rightarrow \cos 120^\circ = -\frac{1}{2}$$

$$\frac{\pi}{2} = 90^\circ \rightarrow \sin 90^\circ = 1$$

$$\cot 90^\circ = 0$$

$$\frac{\pi}{3}$$

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

$$\sin \frac{\pi}{6} = \sin 30^\circ = \frac{1}{2}$$