

subject

Year Month Date

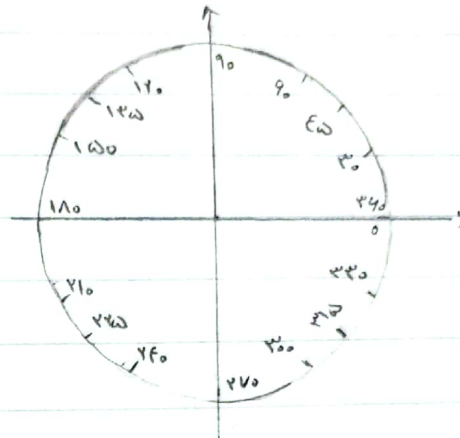
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دسم پنجم کلاس

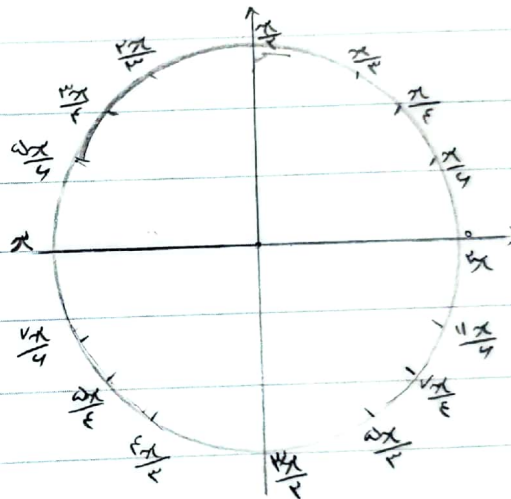
کرمینا کبیری

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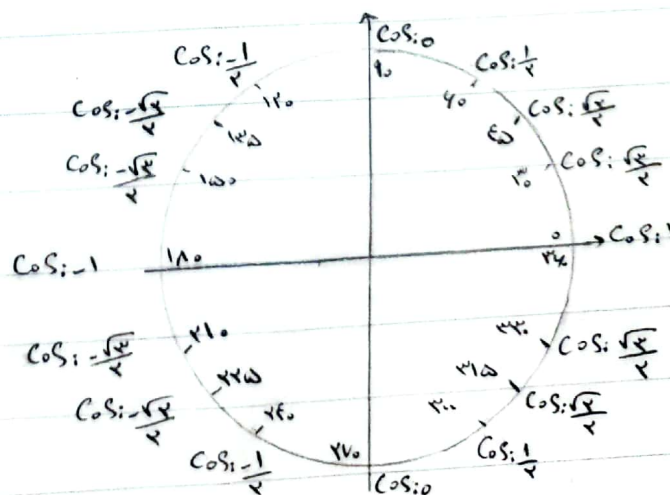
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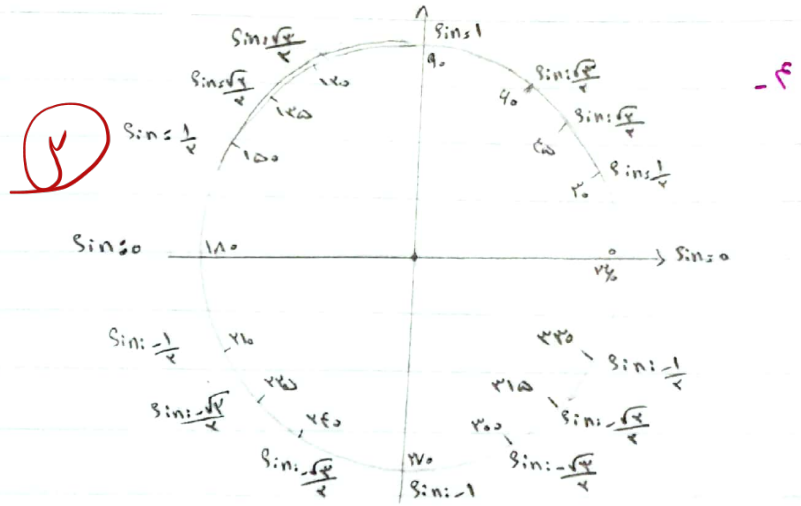
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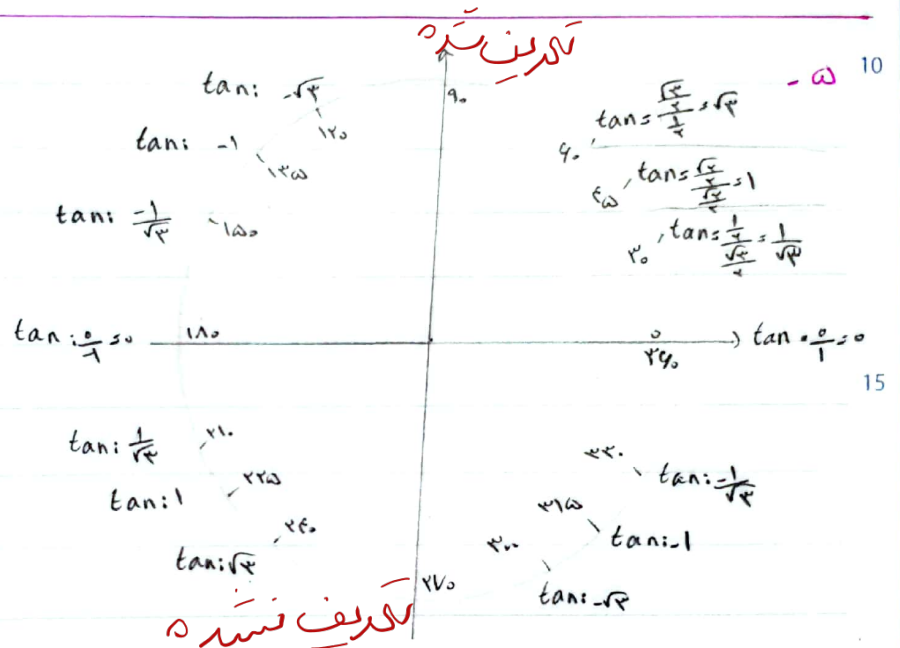
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$$\tan = \frac{\sin}{\cos}$$

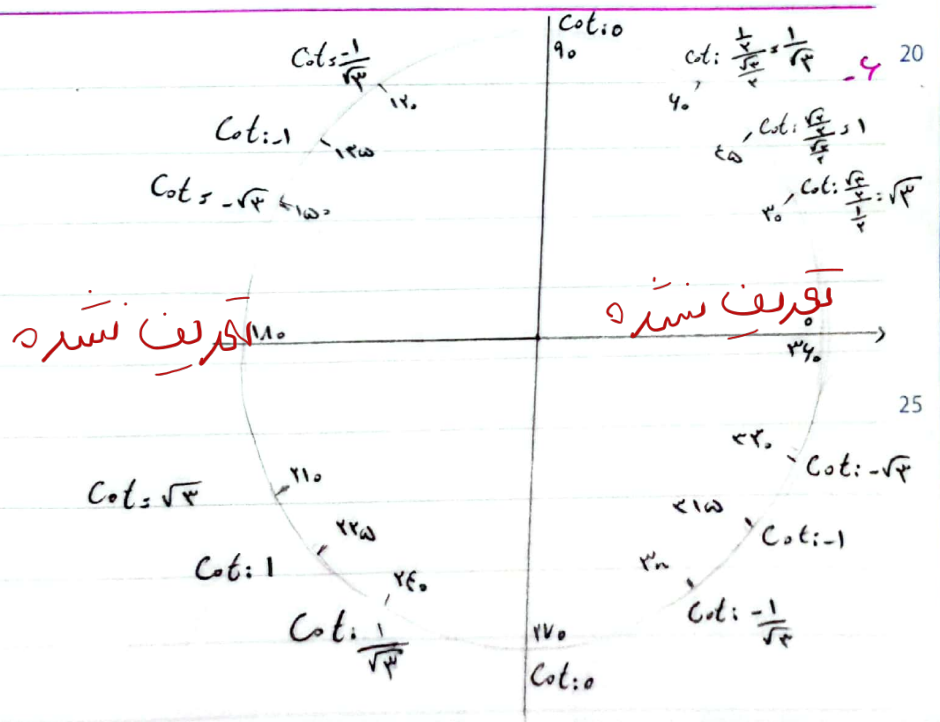
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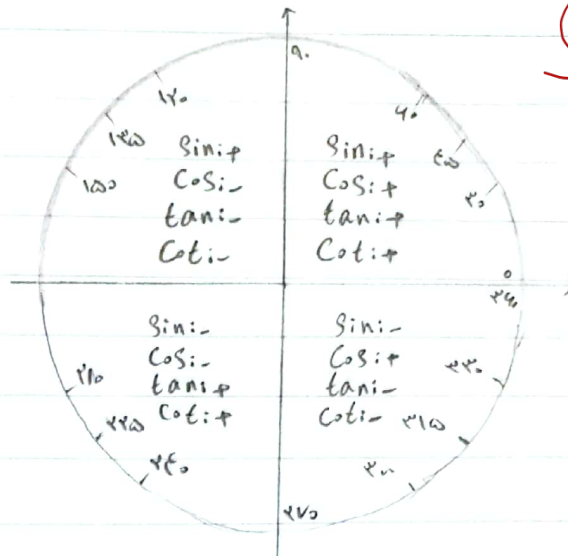


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$$\cot = \frac{\cos}{\sin}$$

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$$\sin 135^\circ = \frac{\sqrt{2}}{2} \rightarrow \sin 45^\circ = \frac{\sqrt{2}}{2}$$

$$\cos 135^\circ = -\frac{\sqrt{2}}{2} \rightarrow \cos 45^\circ = \frac{\sqrt{2}}{2}$$

$$\tan 135^\circ = \frac{\sin}{\cos} = \frac{\frac{\sqrt{2}}{2}}{-\frac{\sqrt{2}}{2}} = -1$$

$$\rightarrow \tan 135^\circ = \frac{\sin}{\cos} = \frac{\frac{1}{\sqrt{2}}}{-\frac{1}{\sqrt{2}}} = -1$$

$$\cot 135^\circ = \frac{\cos}{\sin} = \frac{-\frac{\sqrt{2}}{2}}{\frac{\sqrt{2}}{2}} = -1 \rightarrow \cot 45^\circ = 1$$

$$\cos \frac{5\pi}{4} = -\frac{1}{2} \rightarrow \sin \frac{\pi}{4} = \frac{1}{2}$$

$$\cos \frac{11\pi}{4} = \frac{\sqrt{2}}{2} \rightarrow \sin \frac{3\pi}{4} = \frac{\sqrt{2}}{2}$$

$$\cot \frac{7\pi}{4} = \frac{\cos}{\sin} = \frac{\frac{\sqrt{2}}{2}}{-\frac{\sqrt{2}}{2}} = -1 \rightarrow \cot 135^\circ = -1$$

$$\cos 135^\circ = -\frac{\sqrt{2}}{2} \rightarrow \sin 45^\circ = \frac{\sqrt{2}}{2}$$