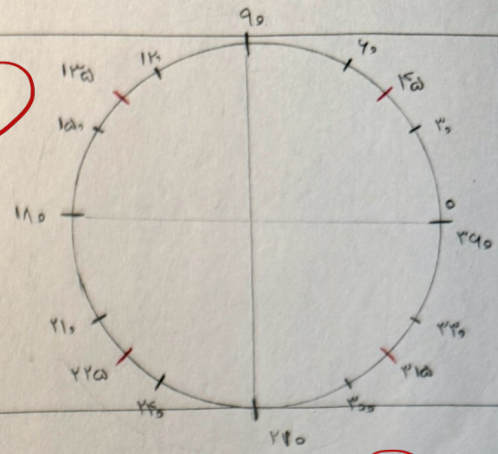
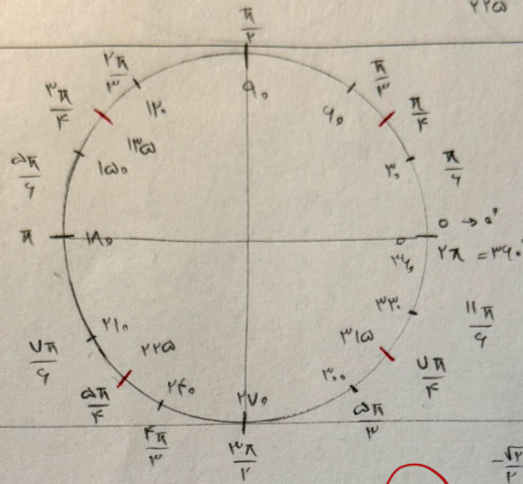


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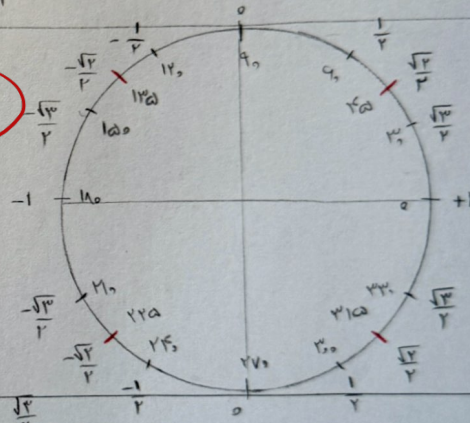


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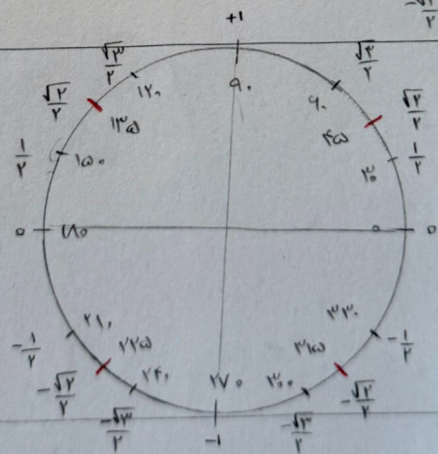
$$\cos = m$$

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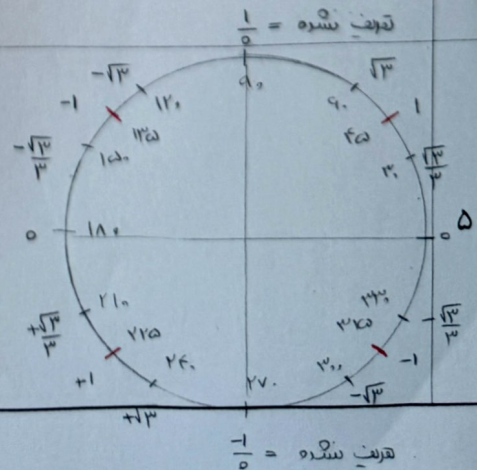
$$\sin = y$$

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

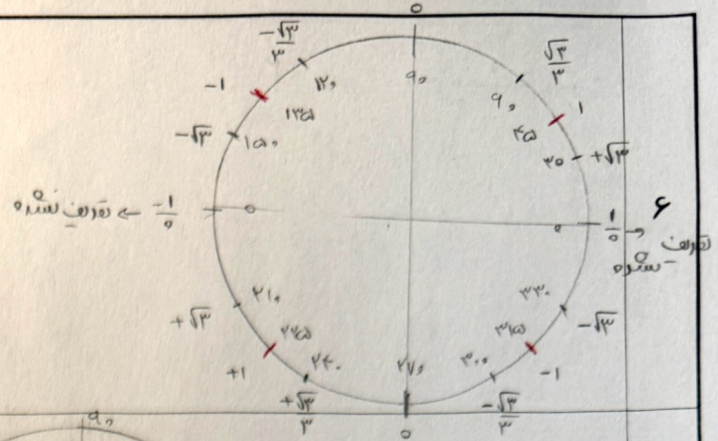
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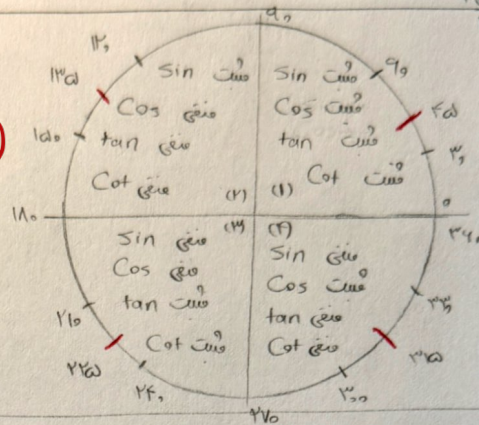
$$\frac{1}{0} = \text{تangent نشده}$$

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

(5)



(5)



$$\sin 110^\circ = \frac{\sqrt{17}}{4} \quad \sin 40^\circ = \frac{\sqrt{17}}{4} \quad \frac{\pi}{4} \text{ is } 45^\circ \text{ (all)}$$

$$\cos 160^\circ = -\frac{\sqrt{17}}{4} \quad \cos 20^\circ = \frac{\sqrt{17}}{4} \rightarrow \frac{\sqrt{17}}{4} \text{ is } 20^\circ \text{ (C)}$$

$$\tan 170^\circ = -\frac{\sqrt{17}}{4} \quad \tan 10^\circ = \frac{\sqrt{17}}{4} \rightarrow \frac{\sqrt{17}}{4} \text{ is } 10^\circ \text{ (C)}$$

$$\cot 170^\circ = -1 \quad \cot 10^\circ = 1 \rightarrow \frac{\sqrt{17}}{4} \text{ is } 10^\circ \text{ (C)}$$

$$\frac{\pi}{4} = 45^\circ \rightarrow \cos 135^\circ = -\frac{1}{\sqrt{2}} \rightarrow -\left(-\frac{1}{\sqrt{2}}\right) = \frac{1}{\sqrt{2}} \rightarrow \frac{1}{\sqrt{2}} \text{ is } 45^\circ \text{ (C)}$$

$$\sin m = \frac{1}{\sqrt{2}} \rightarrow m = 45^\circ \text{ or } 135^\circ$$

$$\frac{11\pi}{9} = 220^\circ \quad \cos 140^\circ = \frac{\sqrt{17}}{4} \rightarrow -\frac{\sqrt{17}}{4}$$

$$\sin m = -\frac{\sqrt{17}}{4} \rightarrow m = 170^\circ \text{ or } 190^\circ$$

$$\frac{11\pi}{9} = 220^\circ \quad \cot 170^\circ = \frac{\cos}{\sin} = \frac{\frac{\sqrt{17}}{4}}{-\frac{\sqrt{17}}{4}} = -1 \quad \pi = 180^\circ \text{ (all)}$$

$$\cos m = -1 \rightarrow m = 180^\circ$$

$$\cos 160^\circ = -\frac{\sqrt{17}}{4} \rightarrow \frac{\sqrt{17}}{4} \quad \left(\frac{17}{4}\right) \text{ is } 17^\circ \text{ or } \left(\frac{\pi}{4}\right) \text{ is } 45^\circ \text{ (C)}$$

$$\sin m = \frac{\sqrt{17}}{4} \rightarrow m = 40^\circ \text{ or } 140^\circ$$

(5)