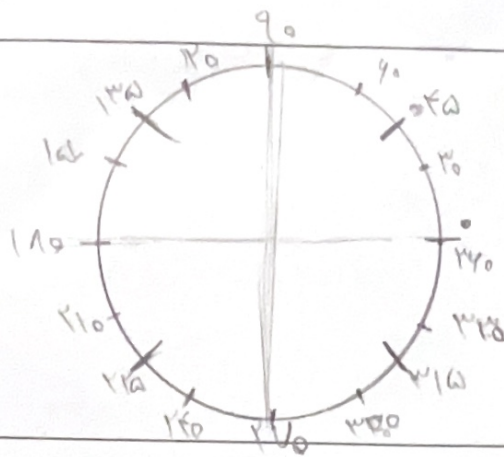
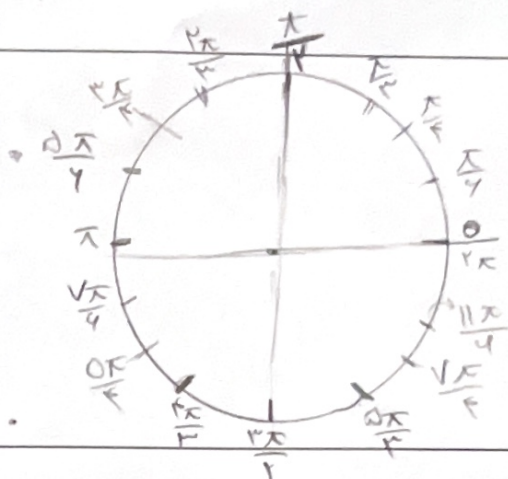
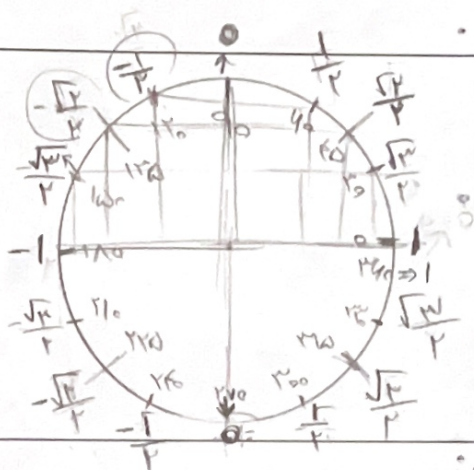




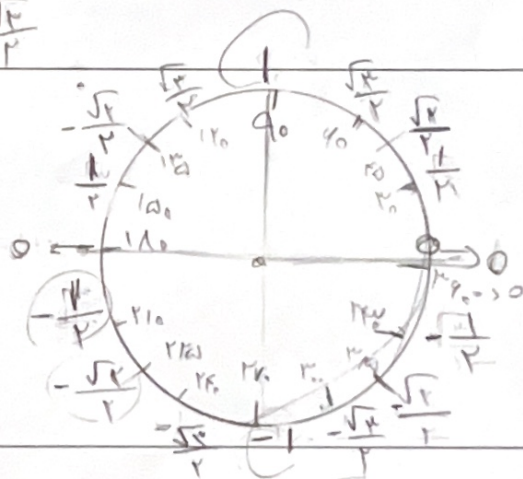
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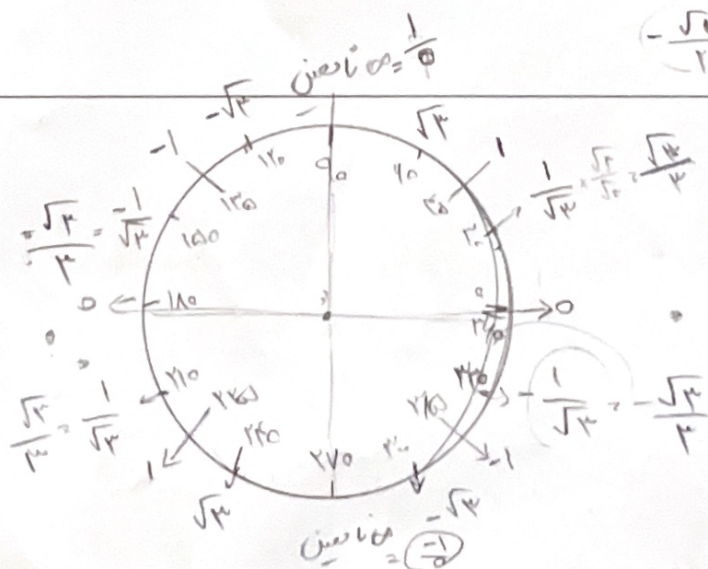
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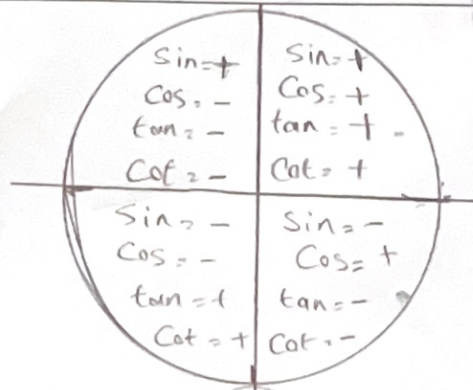
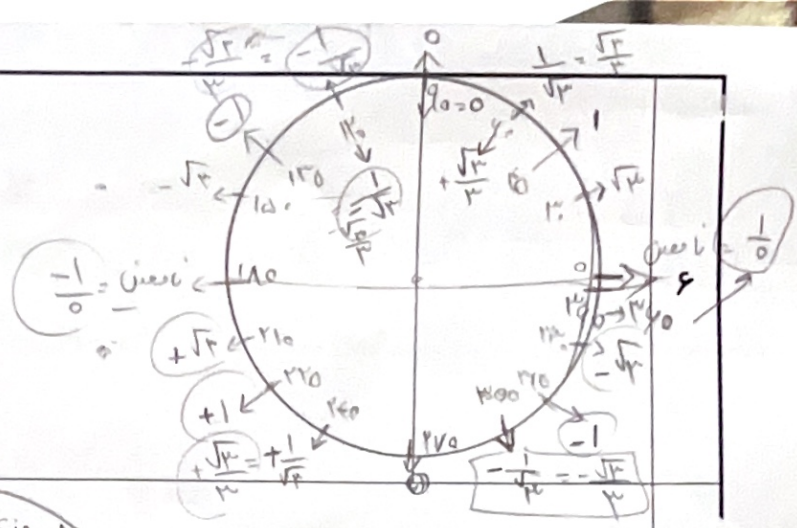
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$$\sin(150^\circ) = \frac{\sqrt{3}}{2} = \sin(30^\circ) \Rightarrow \text{قوس}$$

← (الف)

$$\cos(150^\circ) = -\frac{\sqrt{3}}{2} = \cos(210^\circ) \Rightarrow \text{جيب}$$

← (ب)

$$\tan(135^\circ) = -1 = \tan(225^\circ) \Rightarrow \text{ظل}$$

← (ج)

$$\cot(135^\circ) = -1 = \cot(225^\circ) \Rightarrow \text{مظل}$$

← (د)

$$\cos\left(\frac{5\pi}{4}\right) = -\frac{\sqrt{2}}{2} = \frac{1}{\sqrt{2}} = \sin\left(\frac{3\pi}{4}\right) = \frac{\pi}{4}, \frac{3\pi}{4}$$

(الف)

$$\cos\left(\frac{11\pi}{4}\right) = \frac{\sqrt{2}}{2} = -\frac{\sqrt{2}}{2} = \sin\left(\frac{3\pi}{4}\right) = \frac{5\pi}{4}, \frac{3\pi}{4}$$

(ب)

$$\cot\left(\frac{5\pi}{4}\right) = -1 = \cot\left(\frac{3\pi}{4}\right) = -1$$

← (الف)

$$\cos(120^\circ) = -\frac{1}{2} = \frac{\sqrt{3}}{2} = \sin(30^\circ) = \frac{\pi}{6}, \frac{5\pi}{6}$$

← (ب)