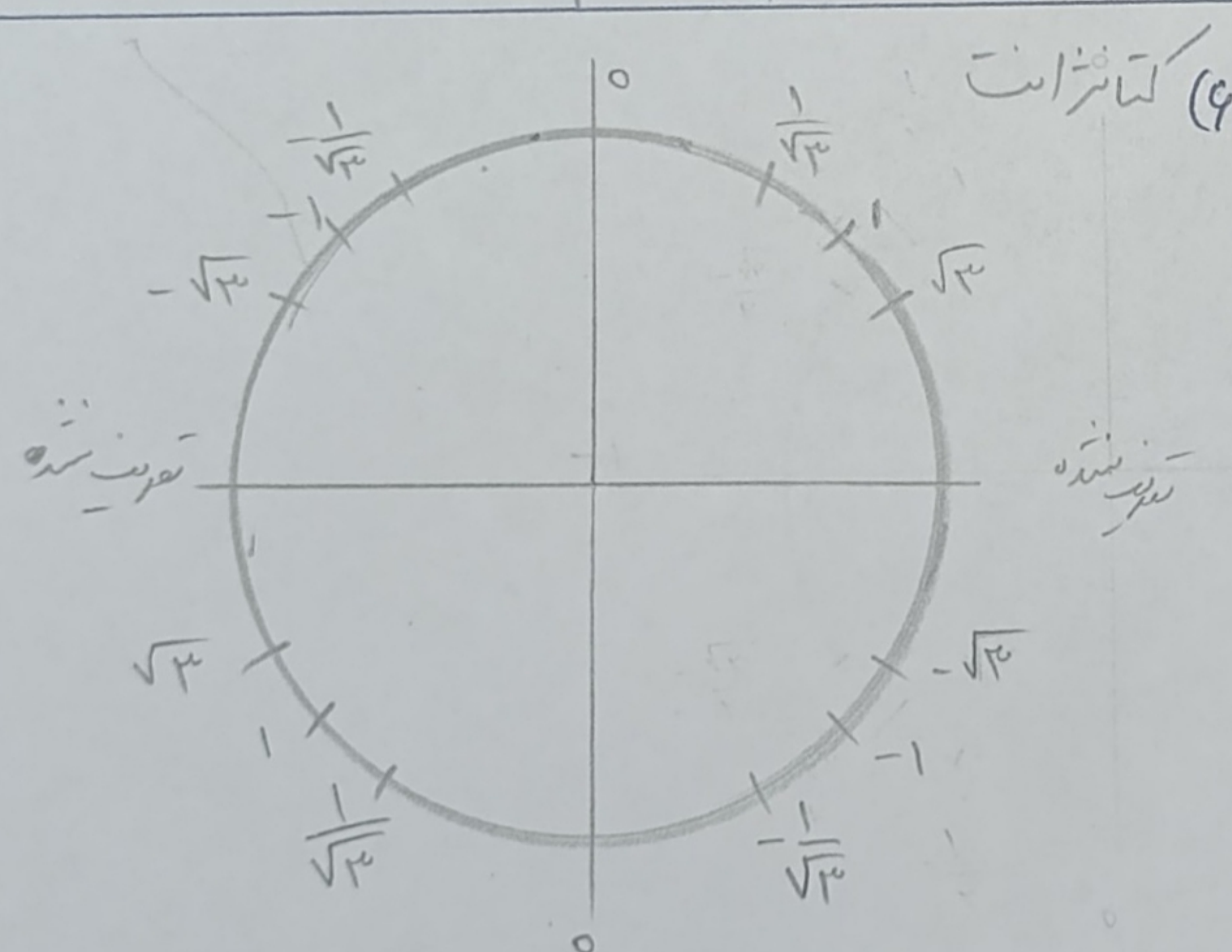
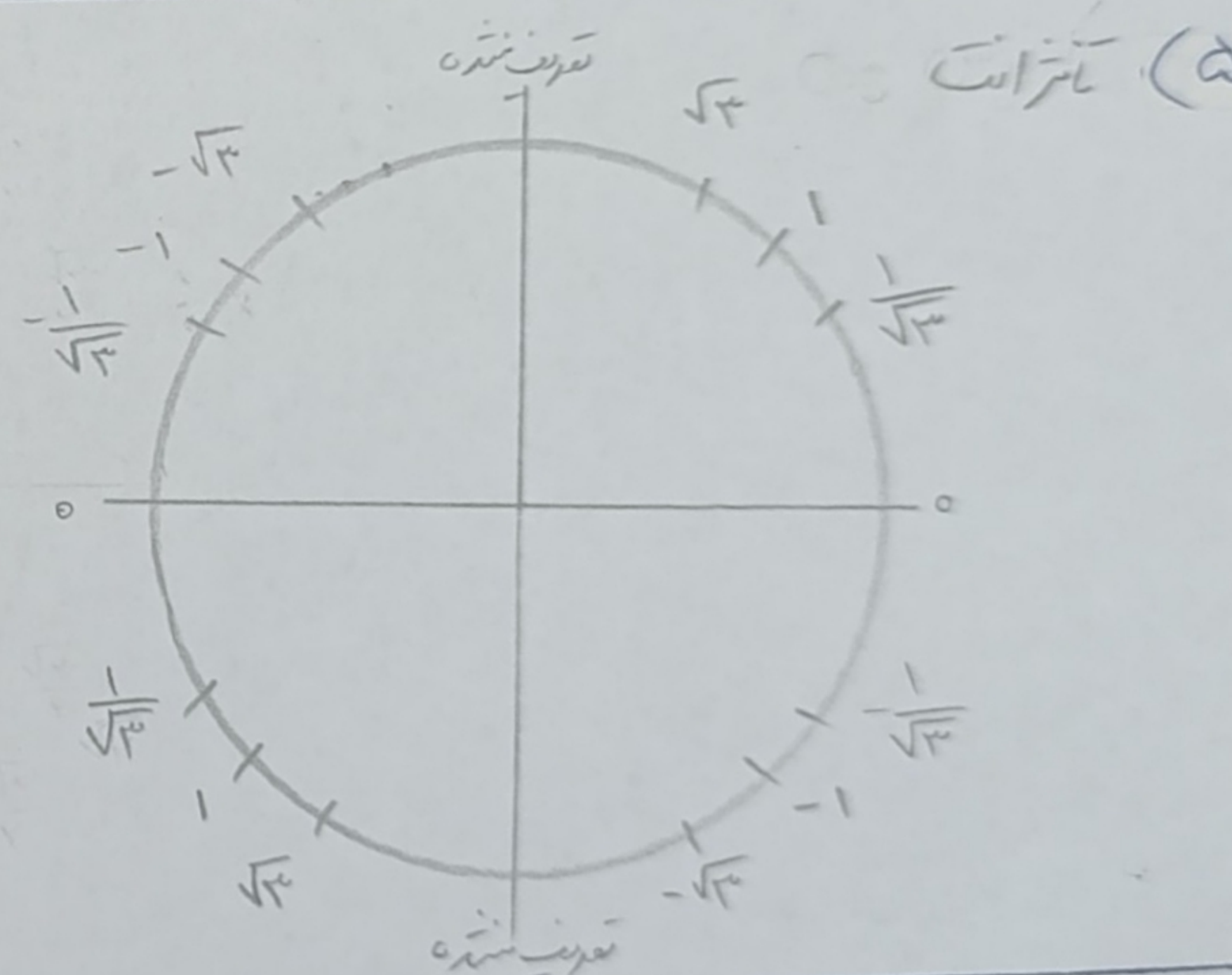
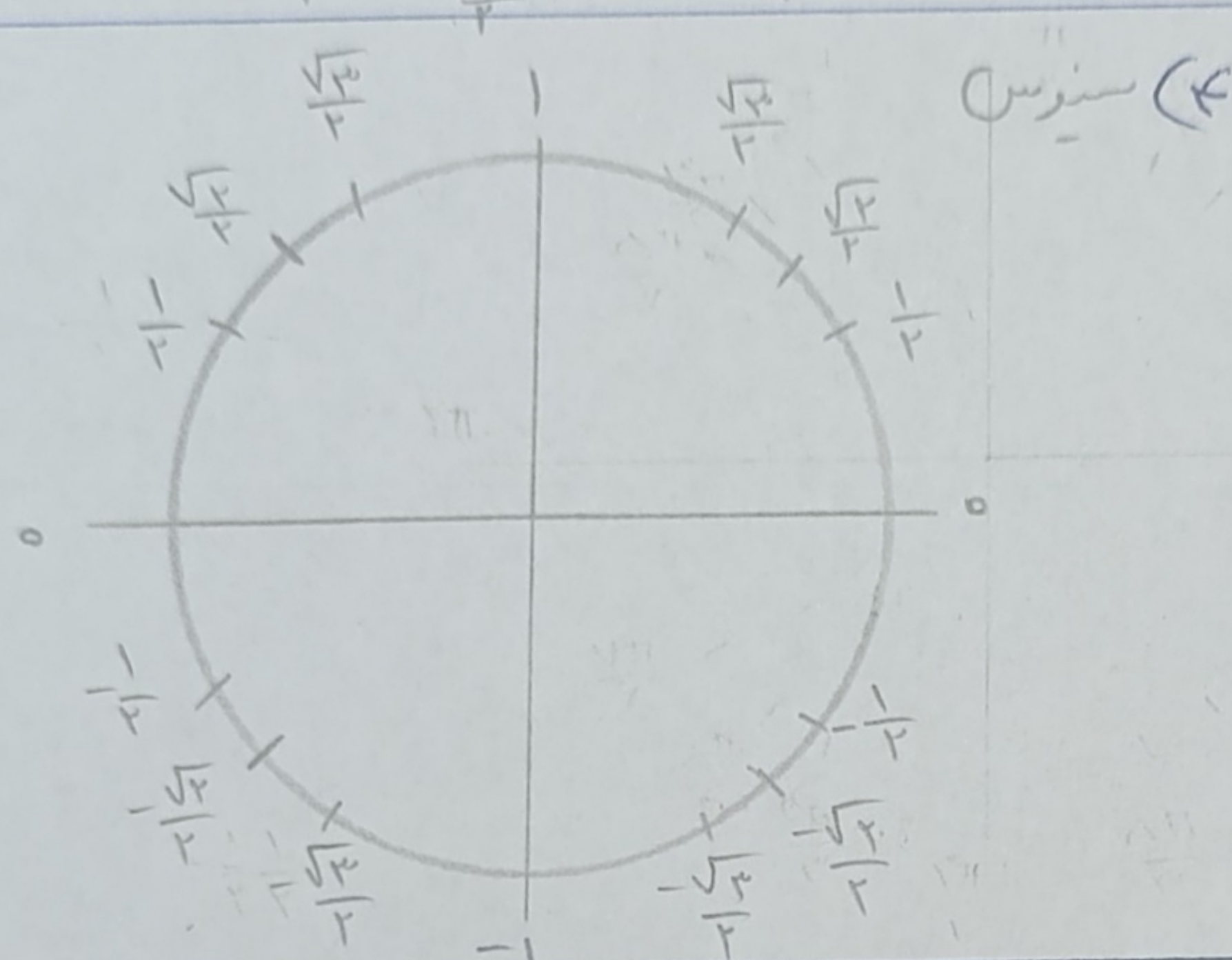
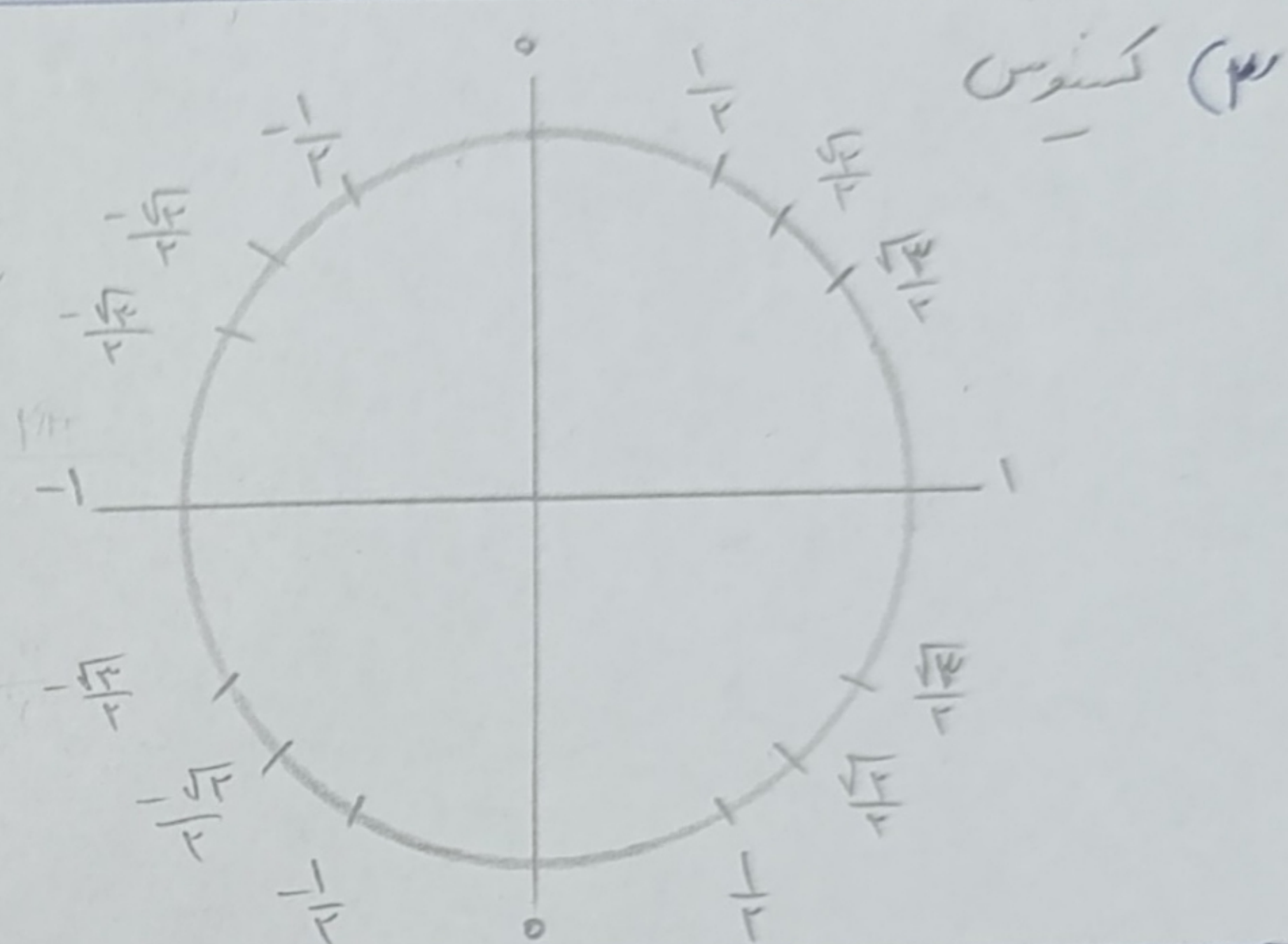
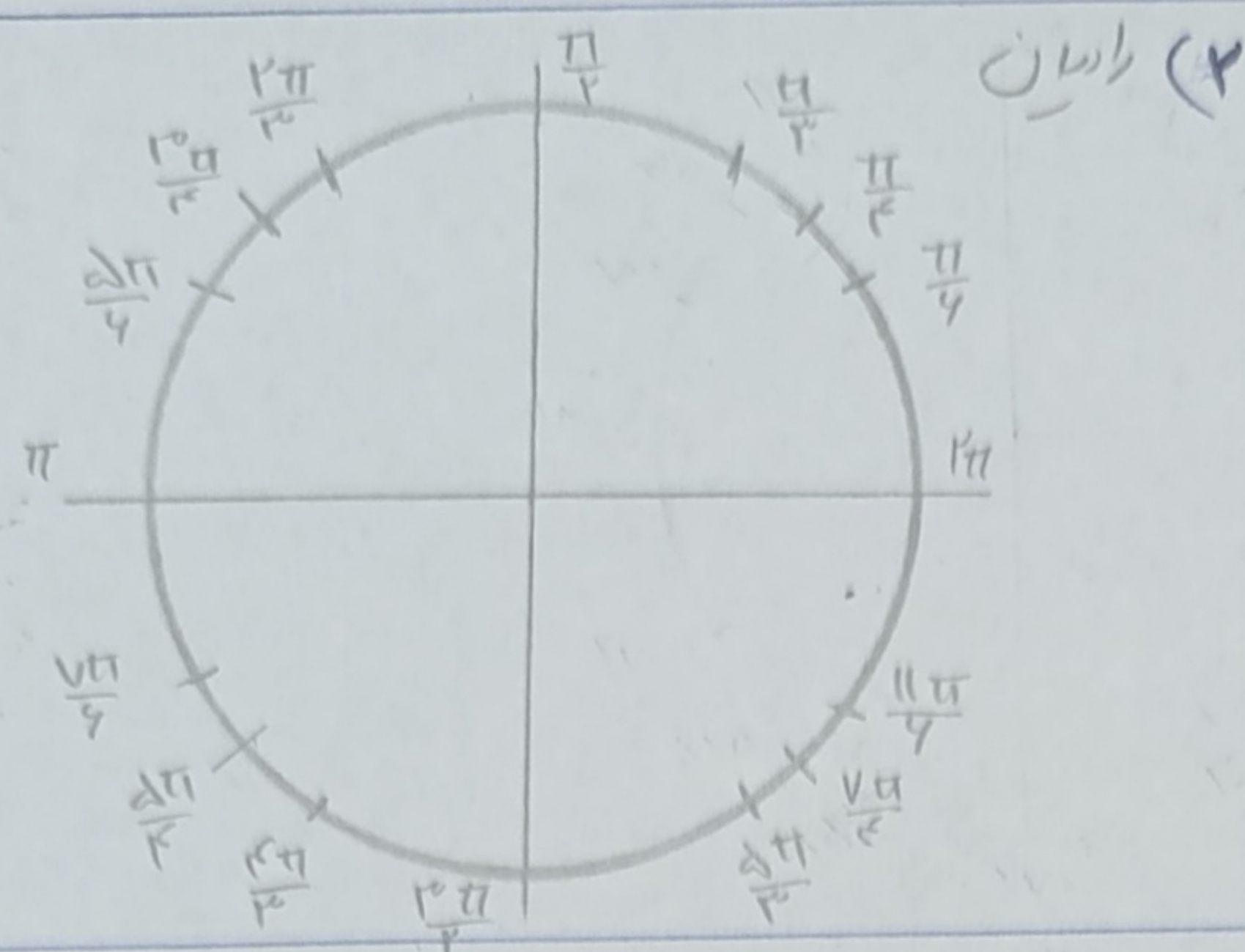
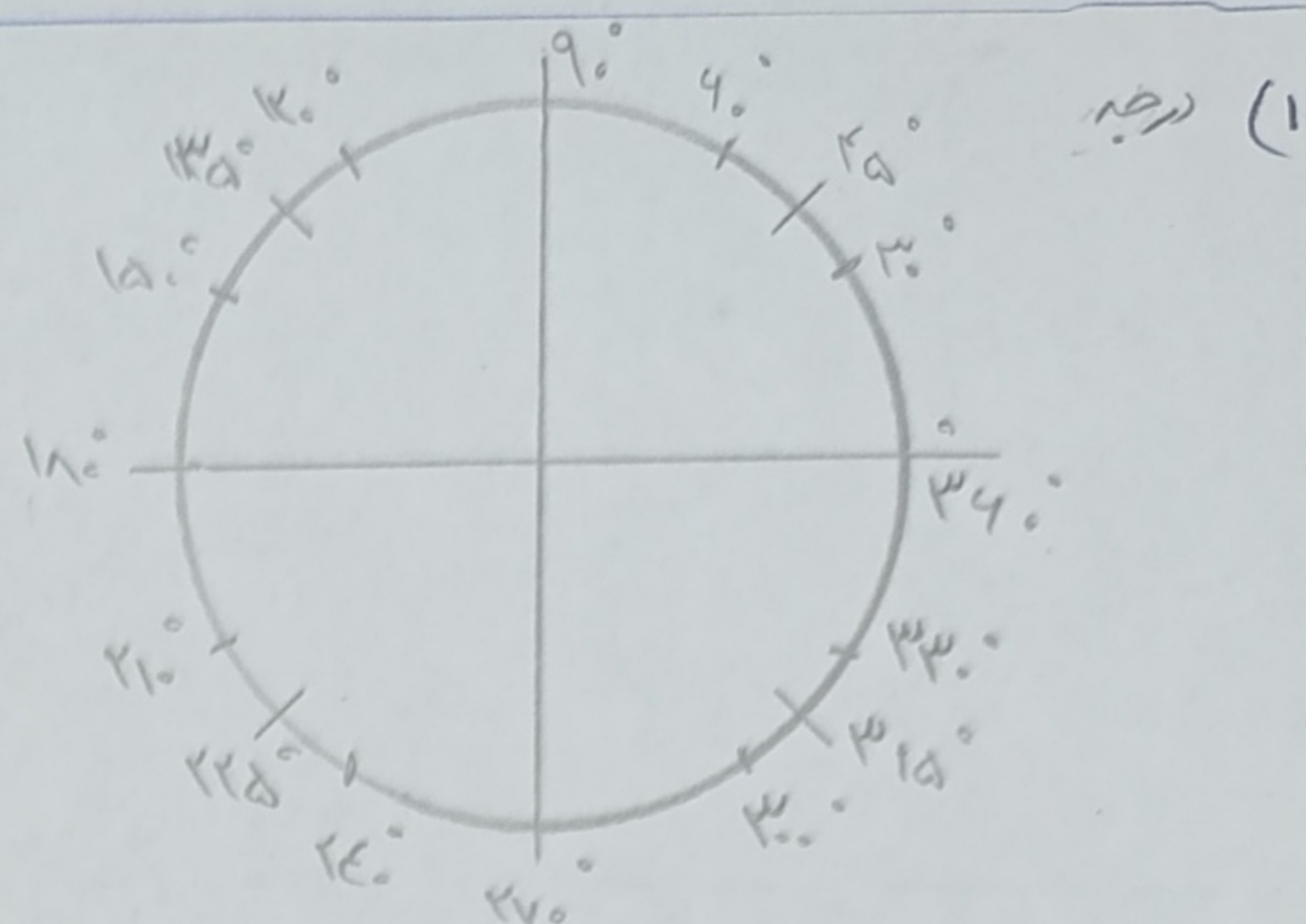




$$\sin_{140^\circ} = \frac{\sqrt{2}}{2} = \sin_{40^\circ} \quad \text{الف (أ)}$$

$$\cos_{140^\circ} = -\frac{\sqrt{2}}{2} = \cos_{220^\circ} \quad \text{ب (ب)}$$

$$\tan_{140^\circ} = -\frac{1}{\sqrt{2}} = \tan_{10^\circ} \quad \text{ج (ج)}$$

$$\cot_{140^\circ} = -1 = \cot_{220^\circ} \quad \text{د (د)}$$

$$\cos \frac{2\pi}{4} = -\frac{1}{2} \xrightarrow{\text{مقابل}} \frac{1}{2}$$

$$\sin \frac{\pi}{4} \cdot \sin \frac{5\pi}{4}$$

الف (أ)

$$\cos \frac{11\pi}{4} = \frac{\sqrt{2}}{2} \xrightarrow{\text{مقابل}} -\frac{\sqrt{2}}{2}$$

$$\sin \frac{5\pi}{4} \cdot \sin \frac{3\pi}{4}$$

ب (ب)

$$\cot \frac{5\pi}{4} = -1 = \cot_{180^\circ}$$

الف (أ)

$$\cos_{140^\circ} = -\frac{\sqrt{2}}{2} \xrightarrow{\text{مقابل}} \frac{\sqrt{2}}{2} = \sin_{40^\circ} \cdot \sin_{140^\circ}$$

ب (ب)