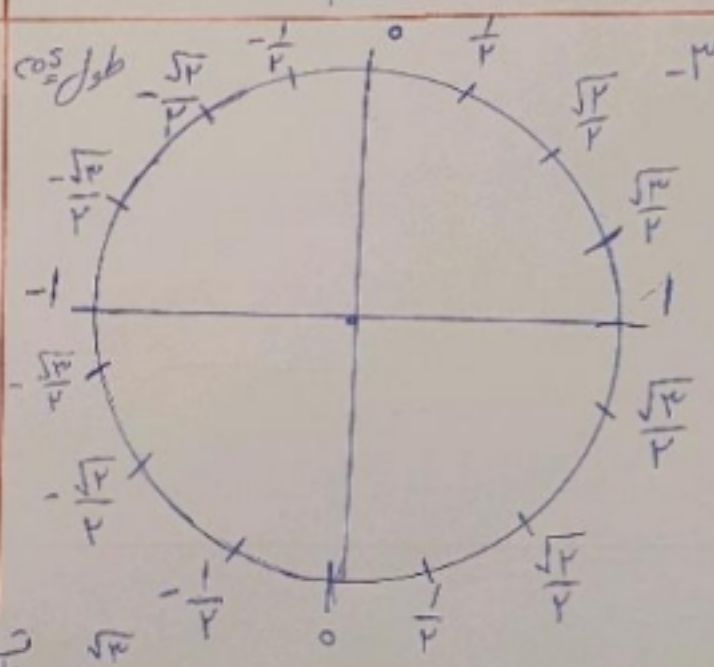
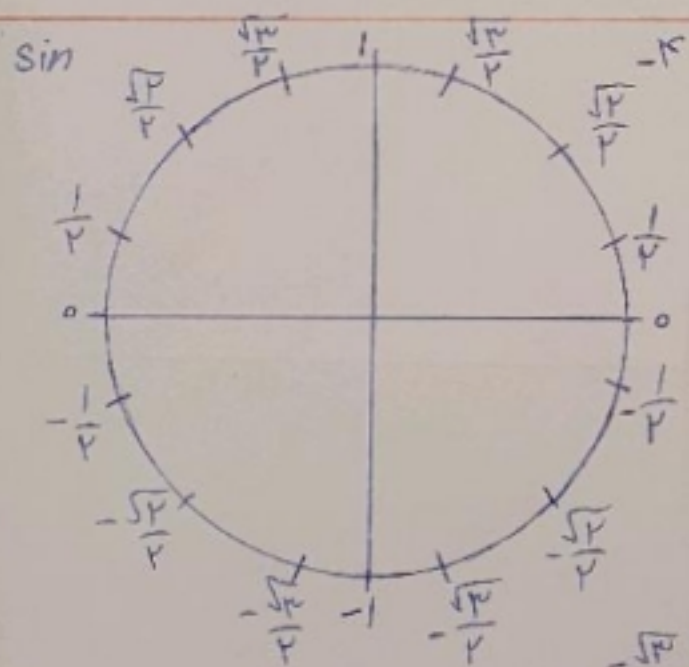
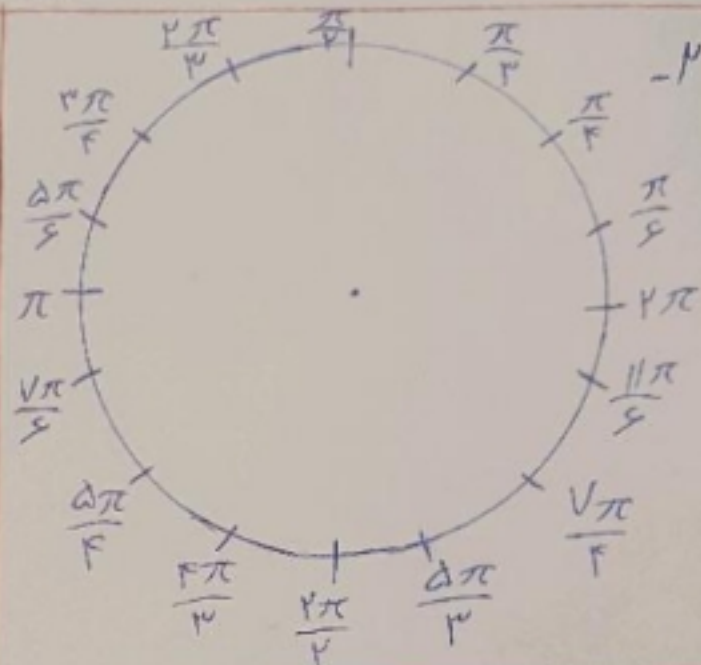
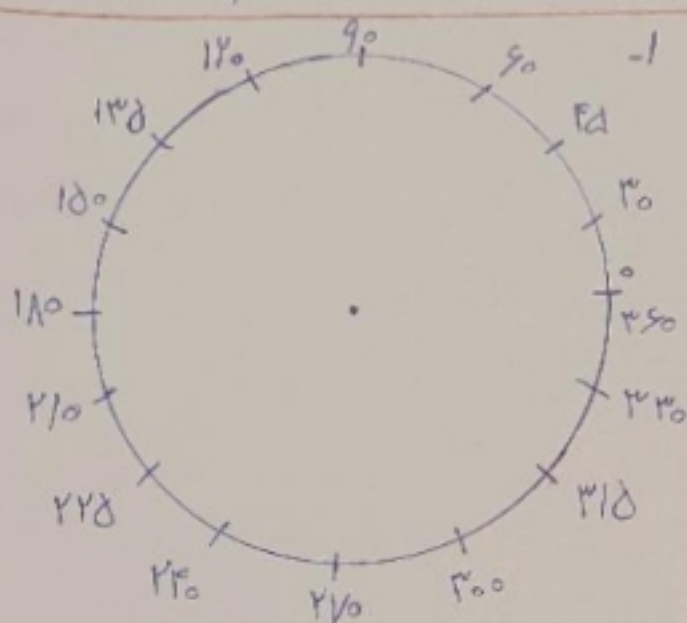


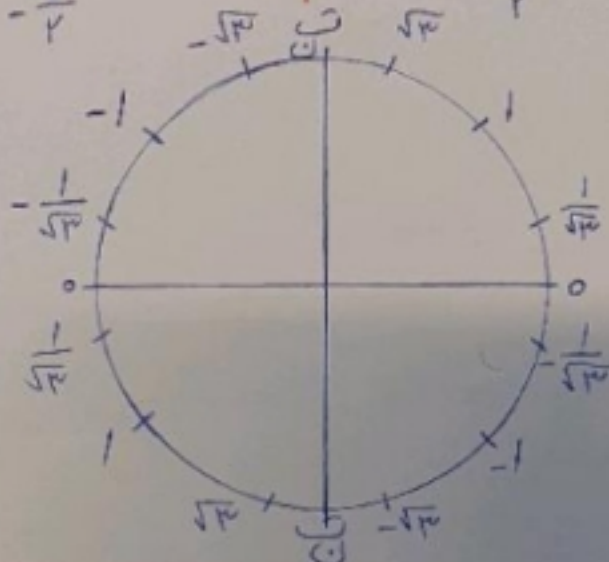
آتر سیا آقا صالحه

تکلیف ۲

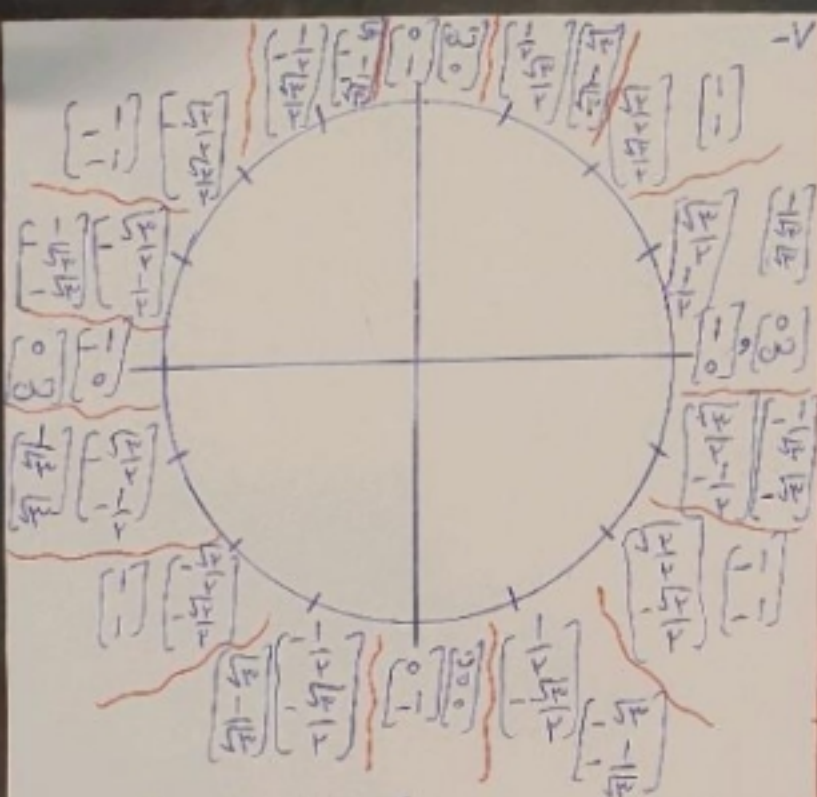
دهم دختر



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



- ۵



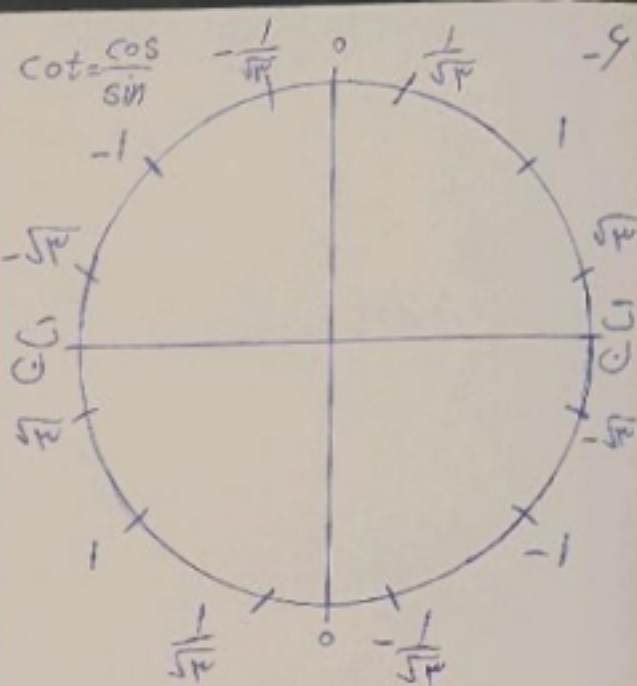
$\begin{bmatrix} \cos \\ \sin \end{bmatrix}$
 $\begin{bmatrix} \tan \\ \cot \end{bmatrix}$

$$\cos \frac{2\pi}{3} = \cos 120^\circ = -\frac{1}{2} \xrightarrow{\text{معبره}} \frac{1}{2} \text{ (الف-9)}$$

$$\sin 150^\circ, 30^\circ = \frac{1}{2} \quad \boxed{\frac{2\pi}{3}, \frac{\pi}{6}}$$

$$\cos \frac{11\pi}{9} = \cos 220^\circ = \frac{\sqrt{3}}{2} \xrightarrow{\text{معبره}} -\frac{\sqrt{3}}{2} \text{ (ب)}$$

$$240^\circ, 120^\circ \rightarrow \boxed{\frac{4\pi}{3}, \frac{2\pi}{3}}$$



$$\sin 120^\circ = \frac{\sqrt{3}}{2} \Rightarrow 60^\circ \text{ (الف-1)}$$

$$\cos 150^\circ = -\frac{\sqrt{3}}{2} \Rightarrow 30^\circ \text{ (ب)}$$

$$\tan 210^\circ = \frac{\sin}{\cos} = -\frac{1}{2} \times \frac{2}{\sqrt{3}} = -\frac{1}{\sqrt{3}} \text{ (ج)}$$

$$\cot 135^\circ = -1 \Rightarrow 45^\circ \text{ (د)}$$

$$\cot \frac{7\pi}{4} = \cot 315^\circ = -1$$

$$\cos 180^\circ = -1 \Rightarrow 180^\circ$$

$$\cos 150^\circ = -\frac{\sqrt{3}}{2} \xrightarrow{\text{معبره}} \frac{\sqrt{3}}{2}$$

$$\sin 120^\circ, 60^\circ = \frac{\sqrt{3}}{2} \Rightarrow \boxed{120^\circ \text{ و } 60^\circ}$$

(الف-10)

(ب)