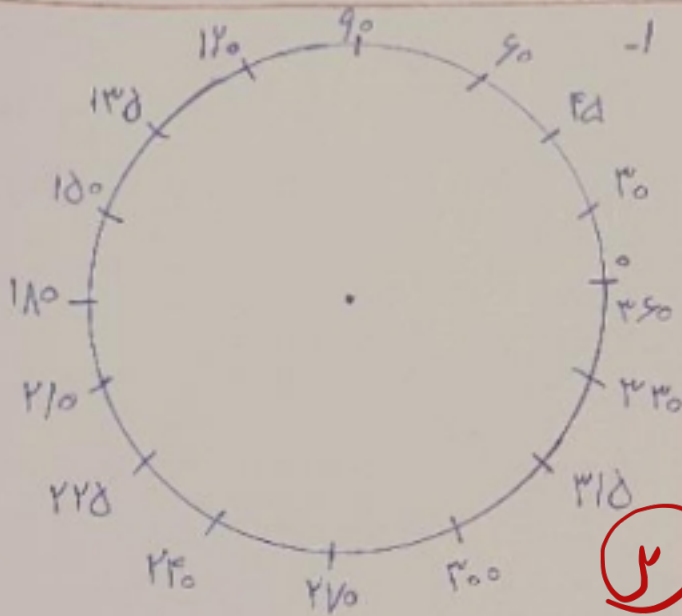
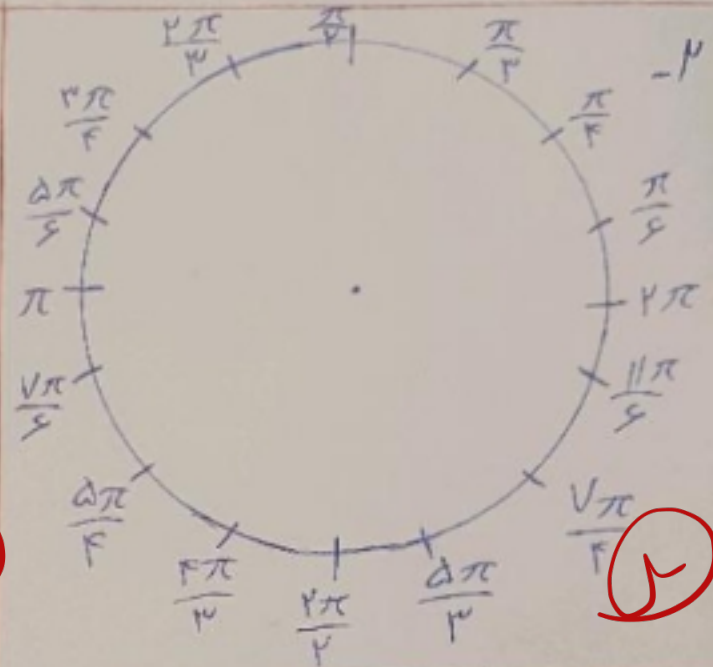


دهم دختر

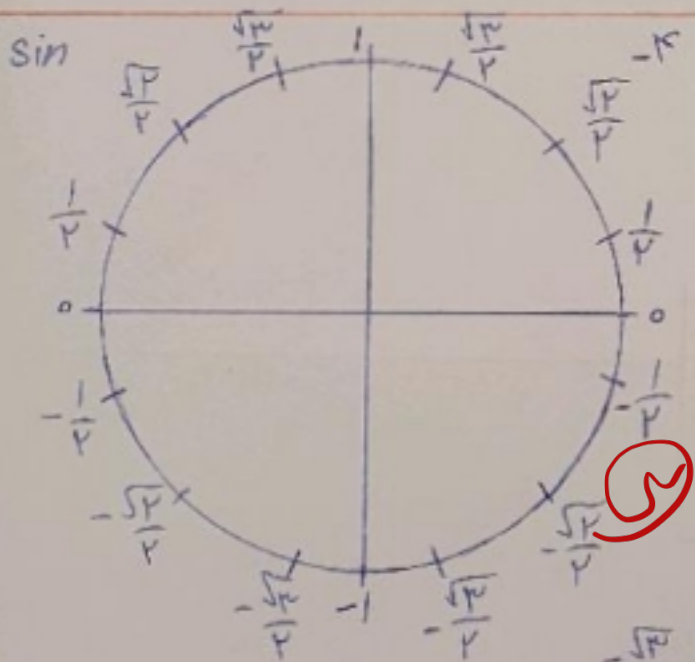
تکلیف ۲



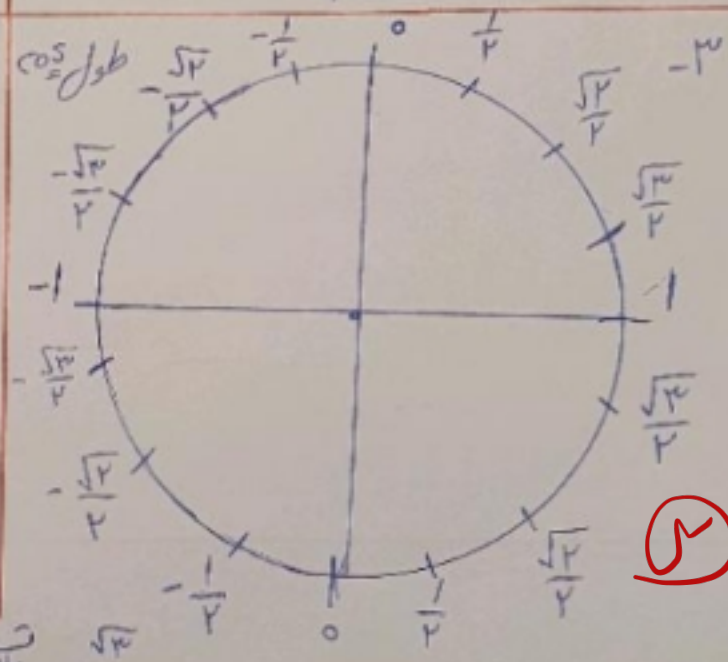
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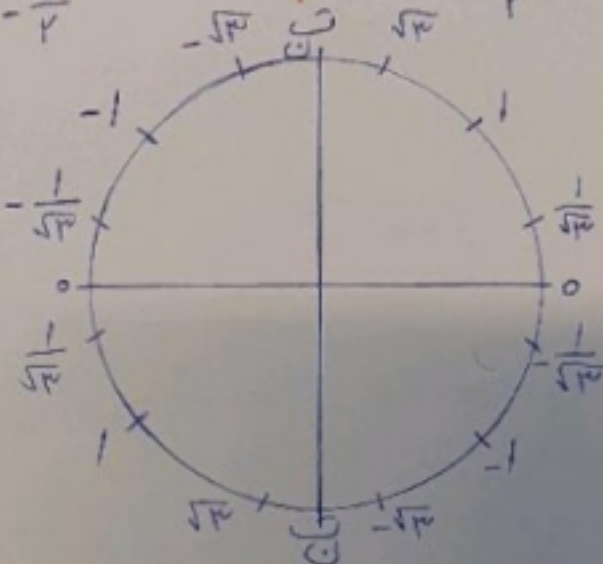


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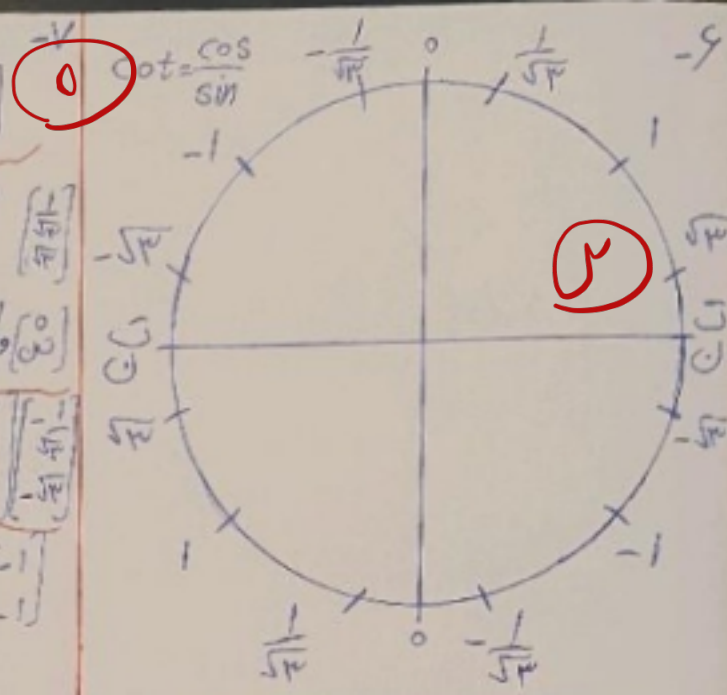
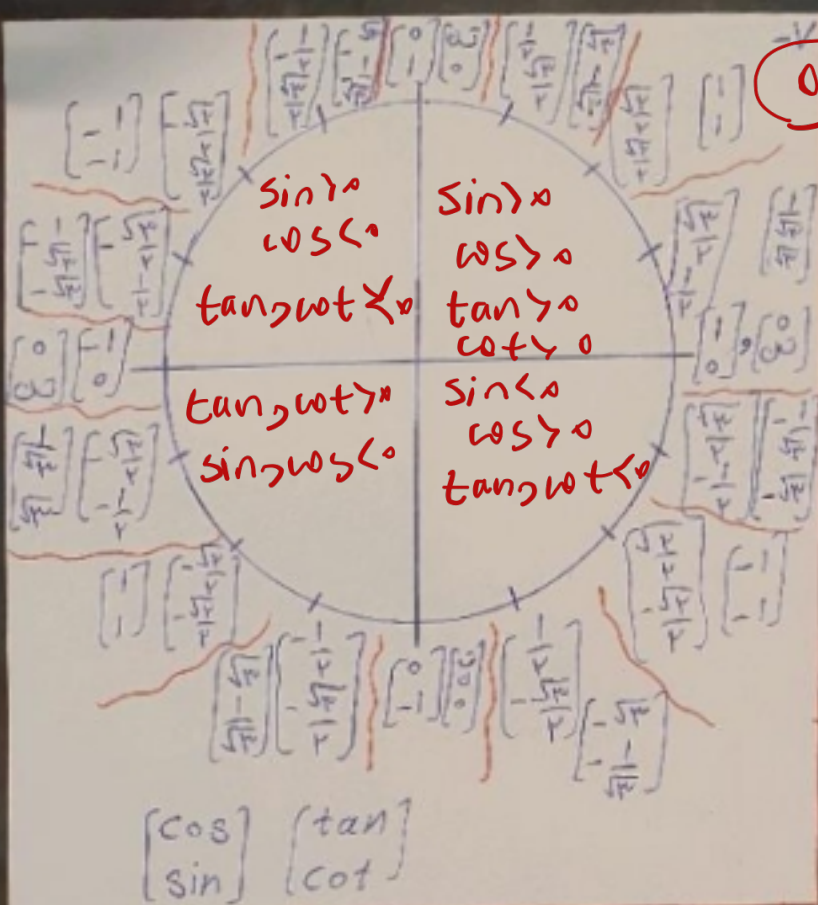


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$\tan = \frac{\sin}{\cos}$



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$$\cos \frac{4\pi}{3} = \cos 120^\circ = -\frac{1}{2} \xrightarrow{\text{مربعين}} \frac{1}{2} \text{ (الف-9)}$$

$$\sin 120^\circ, 30^\circ = \frac{1}{2} \quad \boxed{\frac{2\pi}{3}, \frac{\pi}{6}}$$

$$\cos \frac{11\pi}{6} = \cos 330^\circ = \frac{\sqrt{3}}{2} \xrightarrow{\text{مربعين}} -\frac{\sqrt{3}}{2} \text{ (ب)}$$

$$240^\circ, 300^\circ \rightarrow \boxed{\frac{4\pi}{3}, \frac{5\pi}{3}} \quad (2)$$

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

$$\cos 120^\circ = -\frac{1}{2} \Rightarrow 210^\circ \text{ (ب)}$$

$$\tan 330^\circ = \frac{\sin}{\cos} = -\frac{1}{2} \times \frac{2}{\sqrt{3}} = -\frac{1}{\sqrt{3}} \text{ (ج)}$$

$$\cot 120^\circ = -1 \Rightarrow 315^\circ \quad \boxed{150^\circ} \quad (2)$$

$$\cot \frac{4\pi}{3} = \cot 240^\circ = -1$$

$$\cos 120^\circ = -1 \Rightarrow 180^\circ$$

$$\cos 120^\circ = -\frac{1}{2} \xrightarrow{\text{مربعين}} \frac{1}{2}$$

$$\sin 120^\circ, 60^\circ = \frac{\sqrt{3}}{2} \Rightarrow \boxed{120^\circ, 60^\circ} \quad (2)$$