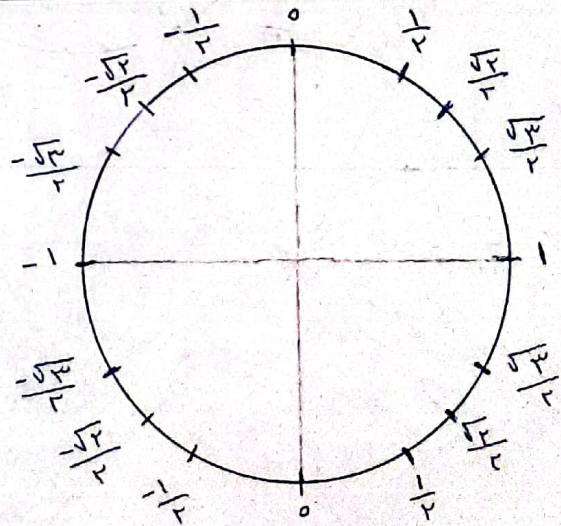
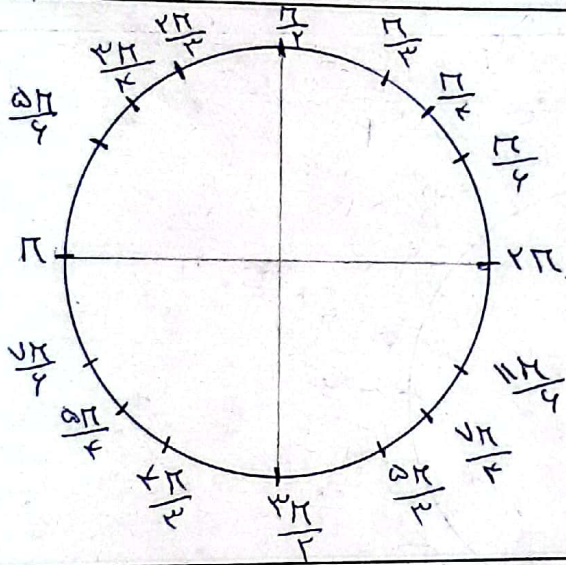
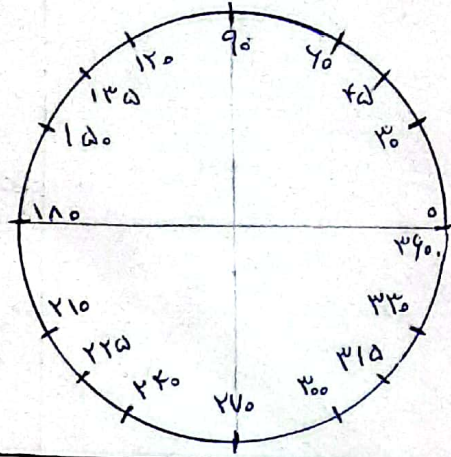
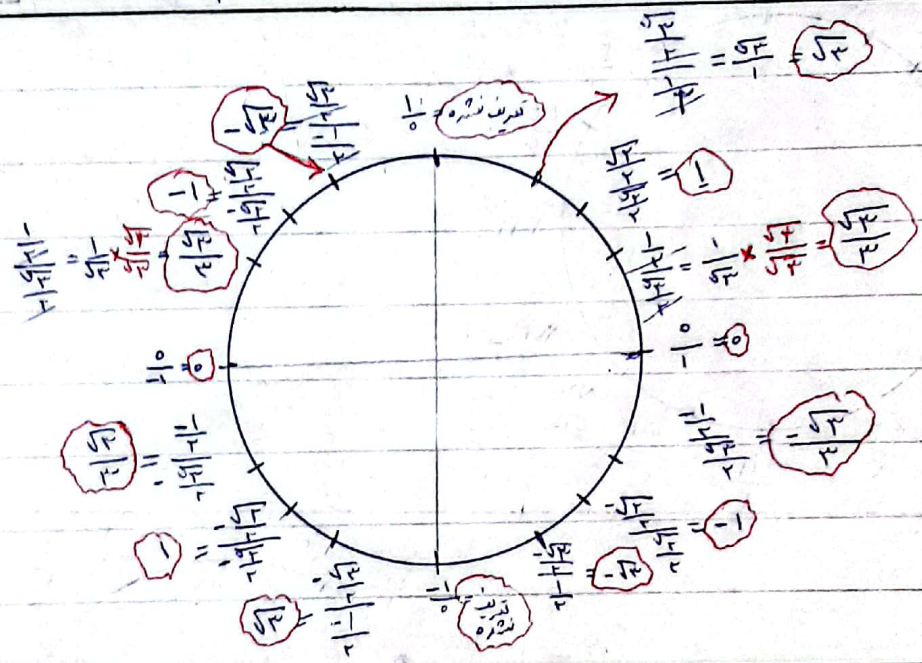
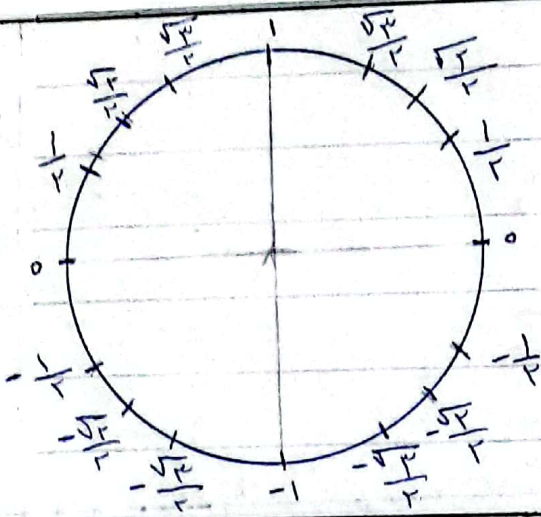


نام و نام خانوادگی: ... لایحه شماره: ... با ستاره شمسی کلید شماره: ۲

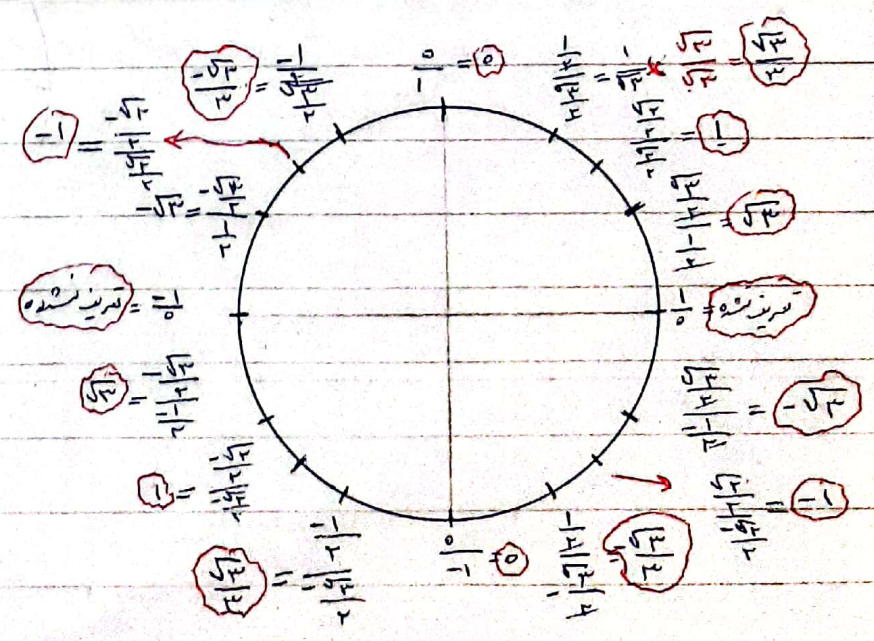
کلاس: دهم دختر C

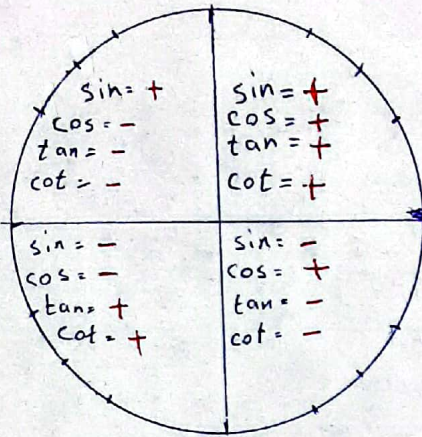




$$\tan = \frac{\sin}{\cos}$$

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





$$\sin 120^\circ = \frac{\sqrt{3}}{2} \quad \sin x = \frac{\sqrt{3}}{2} \rightarrow x = 60^\circ$$

الف

$$\cos 150^\circ = -\frac{\sqrt{3}}{2} \quad \cos x = -\frac{\sqrt{3}}{2} \rightarrow x = 210^\circ$$

ب

$$\tan 225^\circ = \frac{1}{-1} = -1 \quad \tan x = -\frac{\sqrt{3}}{3} \quad x = 150^\circ \quad \tan = \frac{\sin}{\cos} \rightarrow \frac{\sin}{\cos} = \frac{1}{-1} = -1$$

ج

$$\cot = \frac{\cos}{\sin} \rightarrow \cot 135^\circ = \frac{-\frac{\sqrt{2}}{2}}{\frac{\sqrt{2}}{2}} = -1 \quad \cot x = -1 \rightarrow x = 225^\circ$$

د

$$\frac{\sqrt{3}}{2} = 120^\circ \quad \cos 150^\circ = -\frac{1}{2} \rightarrow \frac{1}{2}$$

$$\sin x = \frac{1}{2} \rightarrow x = 30^\circ, 150^\circ$$

الف

$$\frac{11\pi}{6} = 330^\circ \quad \cos 330^\circ = \frac{\sqrt{3}}{2} \rightarrow -\frac{\sqrt{3}}{2}$$

$$\sin x = -\frac{\sqrt{3}}{2} \rightarrow x = 240^\circ, 300^\circ$$

ب

$$\cot = \frac{\cos}{\sin} \quad \frac{11\pi}{6} = 330^\circ \rightarrow \cot 330^\circ = \frac{\frac{\sqrt{3}}{2}}{-\frac{1}{2}} = -\sqrt{3} \quad \cos x = -1 \rightarrow x = 180^\circ$$

الف

$$\cos 150^\circ = -\frac{\sqrt{3}}{2} \rightarrow \frac{\sqrt{3}}{2}$$

$$\sin x = \frac{\sqrt{3}}{2} \rightarrow x = 60^\circ, 120^\circ$$

ب