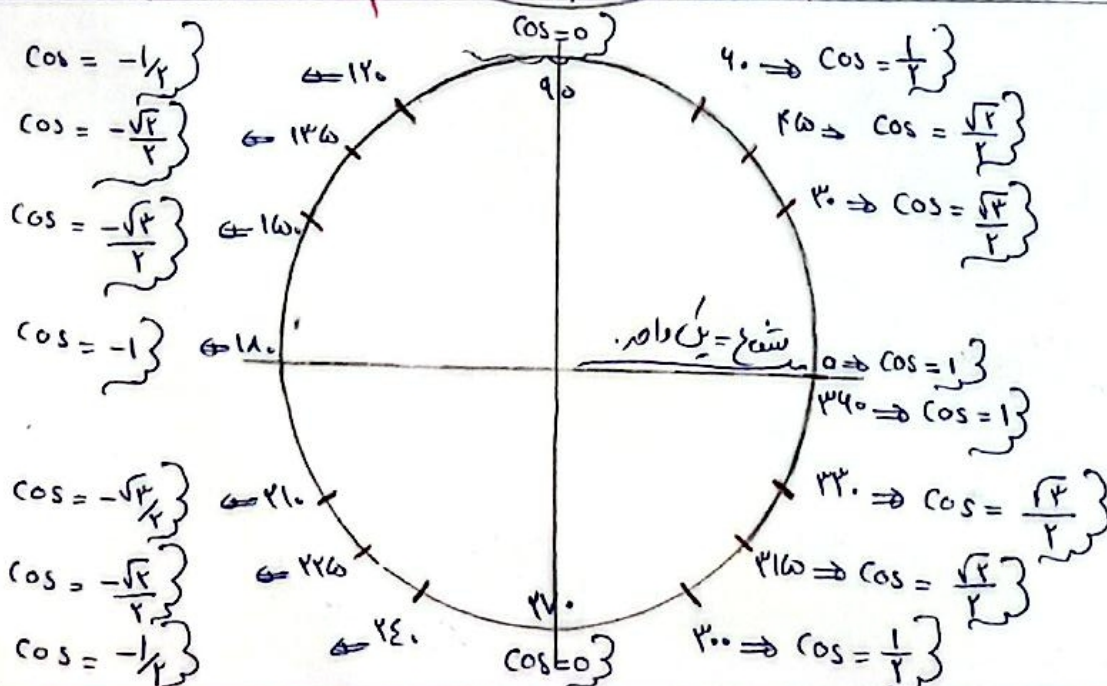
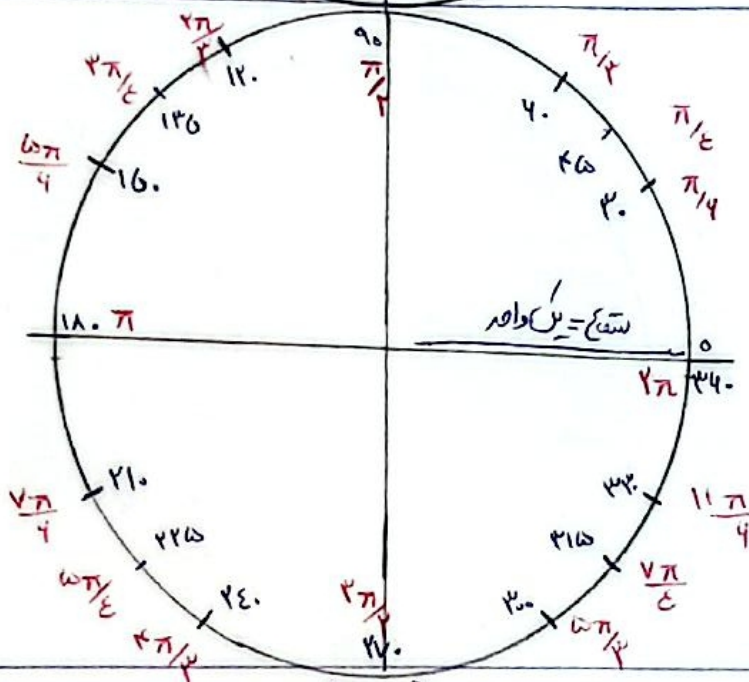
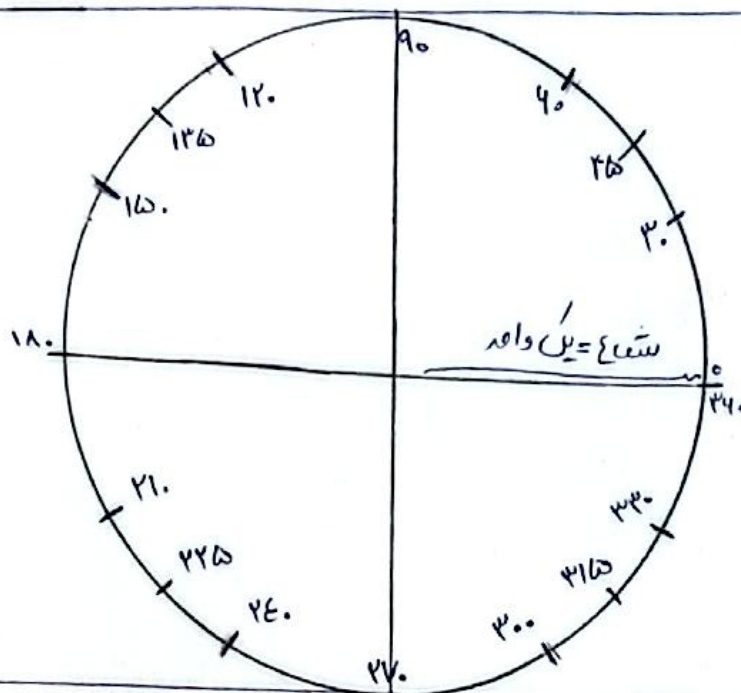
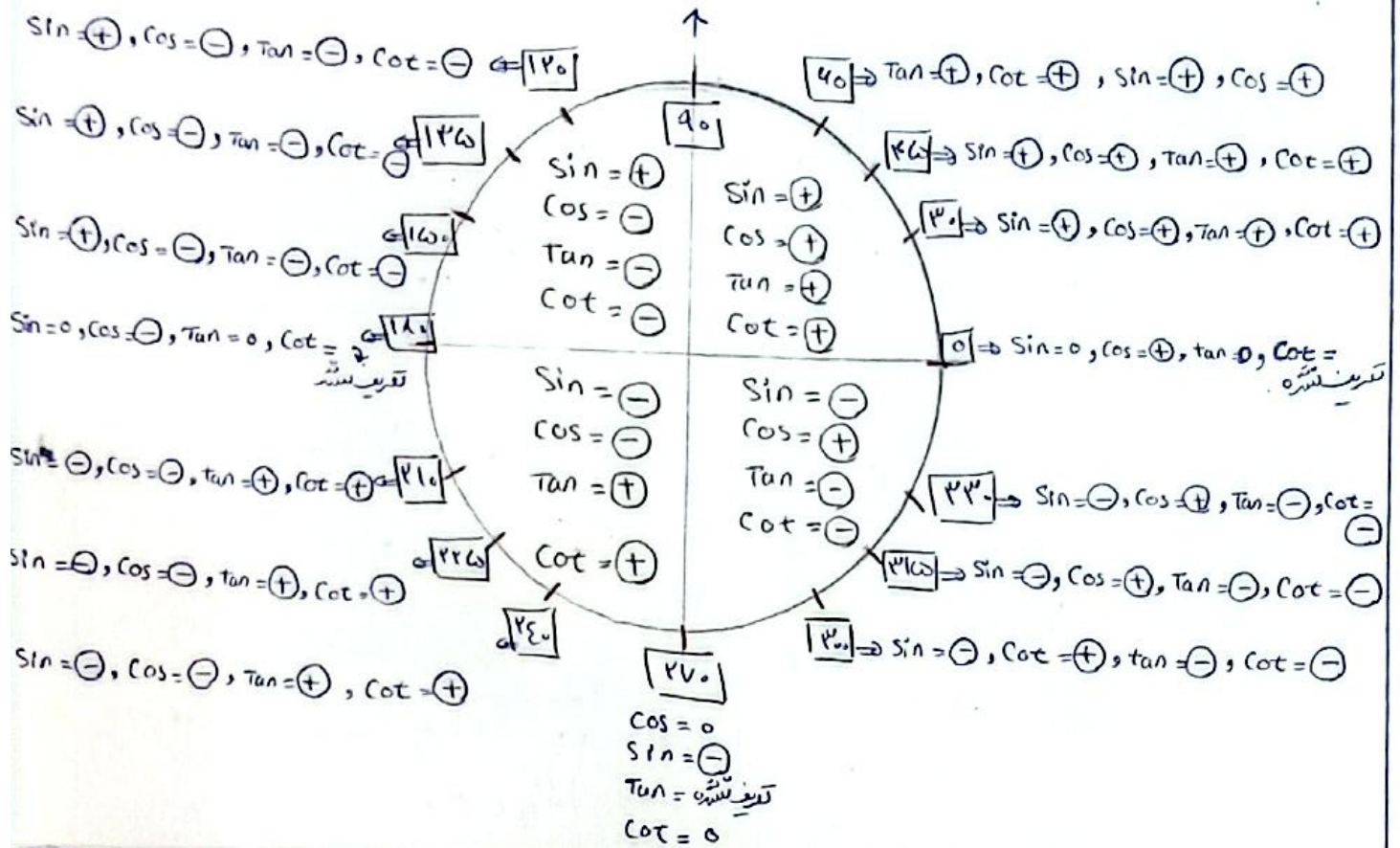


نام و نام خانوادگی: پیرنیا علیی
پایه: نهم فصل ششم شصت و پنج درس اول و دوم



$$\begin{aligned}\sin &= (+) \\ \cos &= 0 \\ \tan &= \text{تدیر نشده} \\ \cot &= 0\end{aligned}$$



$$\sin 110^\circ = \frac{\sqrt{2}}{2} \Rightarrow \sin 110^\circ = \sin 70^\circ = \frac{\sqrt{2}}{2} \Rightarrow$$

$$\cos 160^\circ = -\frac{\sqrt{2}}{2} \Rightarrow \cos 160^\circ = \cos 20^\circ = -\frac{\sqrt{2}}{2} \Rightarrow$$

$$\tan 225^\circ = -\frac{\sqrt{2}}{2} \Rightarrow \tan 225^\circ = \tan 45^\circ = -\frac{\sqrt{2}}{2} \Rightarrow$$

$$\cot 135^\circ = -1 \Rightarrow \cot 135^\circ = \cot 45^\circ = -1 \Rightarrow$$

$$\tan = -\sqrt{2}, \cot = -\frac{\sqrt{2}}{2}$$

$$\tan = -1, \cot = -1$$

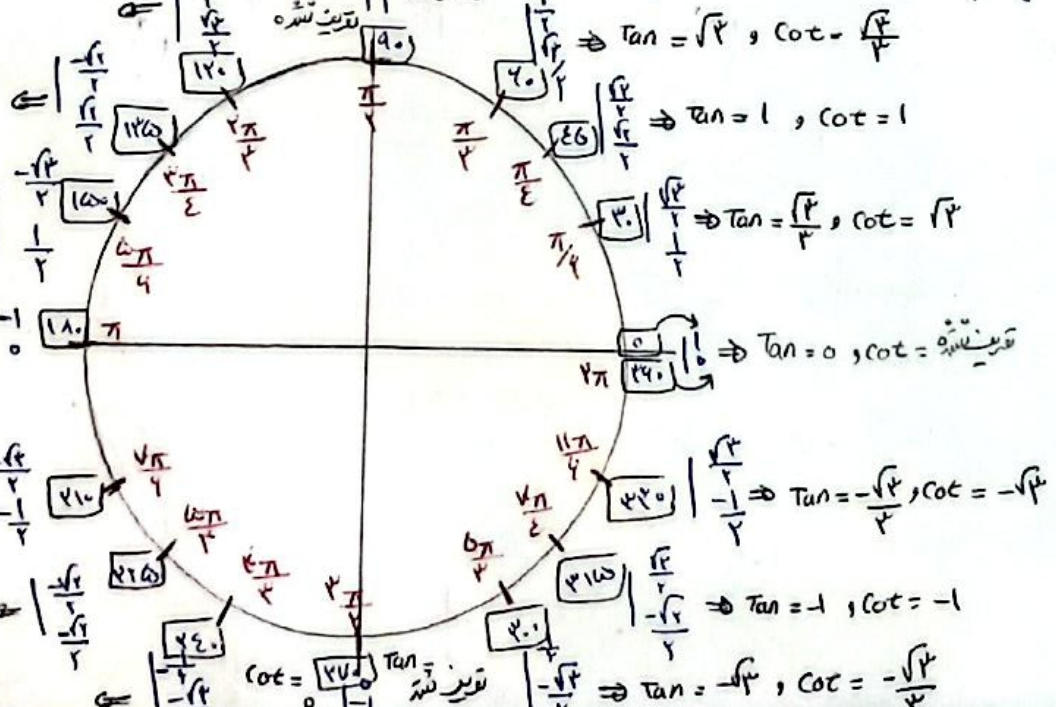
$$\tan = -\frac{\sqrt{2}}{2}, \cot = -\sqrt{2}$$

$$\tan = 0, \cot = \text{تدیر نشده}$$

$$\tan = \frac{\sqrt{2}}{2}, \cot = \sqrt{2}$$

$$\tan = 1, \cot = 1$$

$$\cot = \frac{\sqrt{2}}{2}, \tan = \sqrt{2}$$



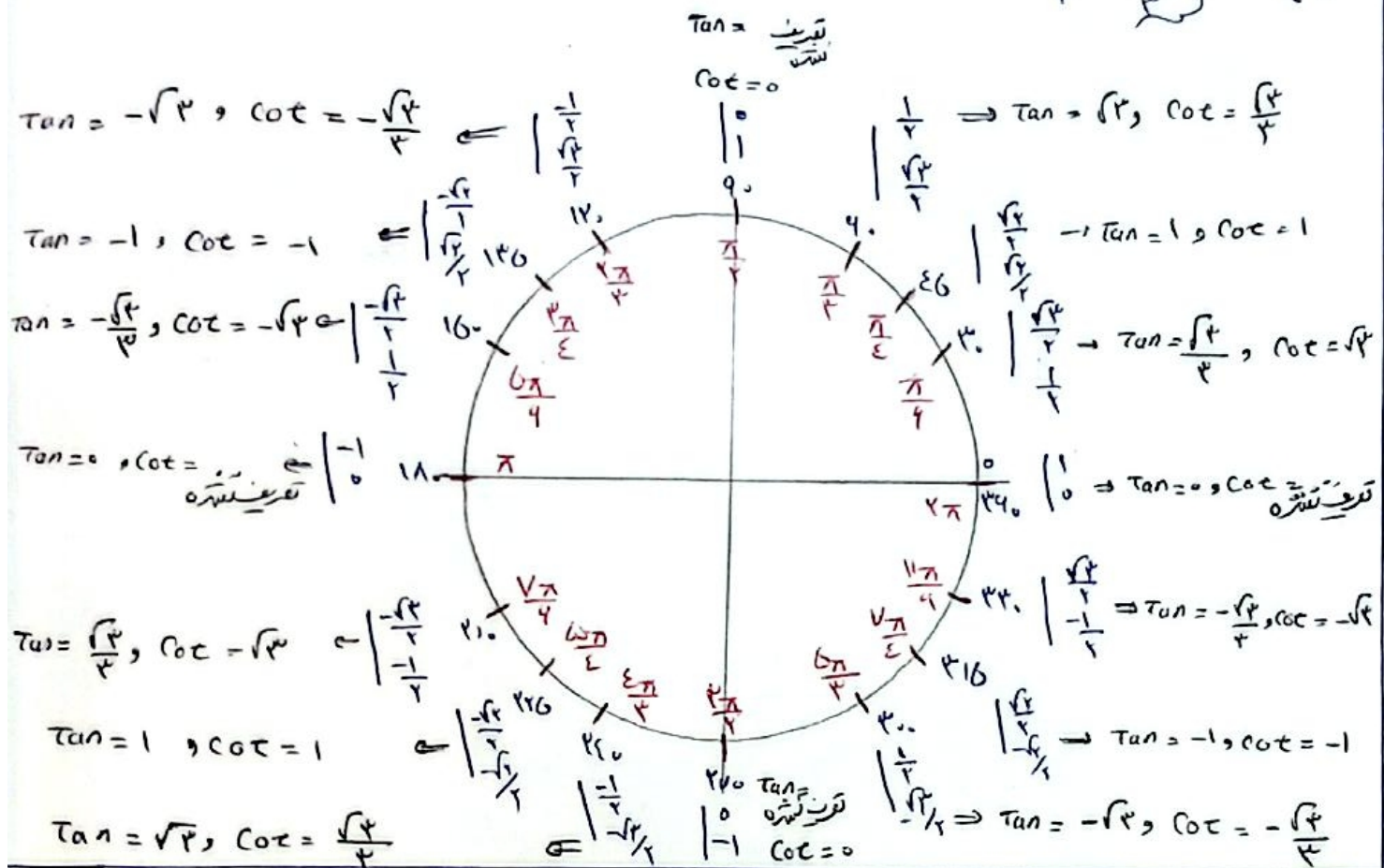
الف) با سینوس 40 درجه

ب) با کسینوس 20 درجه

ج) با تانژانت 160 درجه

د) با کسینوس 315 درجه

$-\cos 120^\circ = -\frac{1}{2} \Rightarrow \sin 120^\circ = \sin 60^\circ = \frac{\sqrt{3}}{2} \Rightarrow -\cos 120^\circ = \frac{\pi}{4}, \frac{\omega\pi}{4}$ (ب)
 $-\cos 240^\circ = -\frac{1}{2} \Rightarrow \sin 240^\circ = \sin 120^\circ = \frac{\sqrt{3}}{2} \Rightarrow -\cos 240^\circ = \frac{5\pi}{4}, \frac{7\pi}{4}$ (ب)



$\cot 120^\circ = \frac{-\sqrt{3}}{1} = -\sqrt{3} \Rightarrow -1 = \cos 120^\circ$ (ب)
 $-\cos 120^\circ = \frac{\sqrt{3}}{2} \Rightarrow \frac{\sqrt{3}}{2} = \sin 120^\circ = \sin 60^\circ$ (ب)

