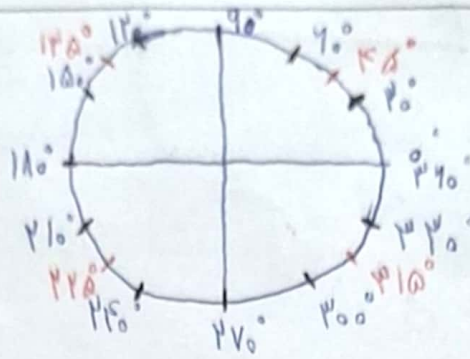
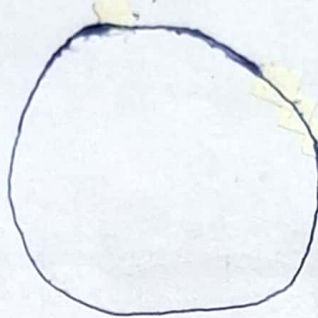
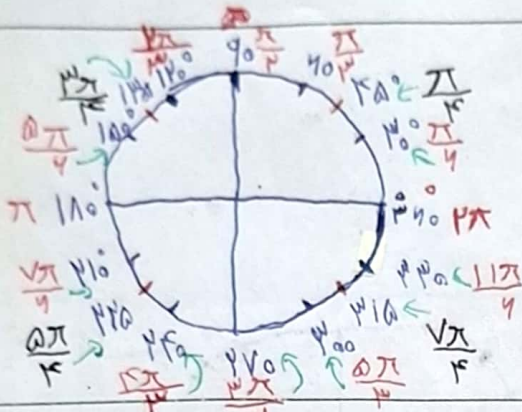


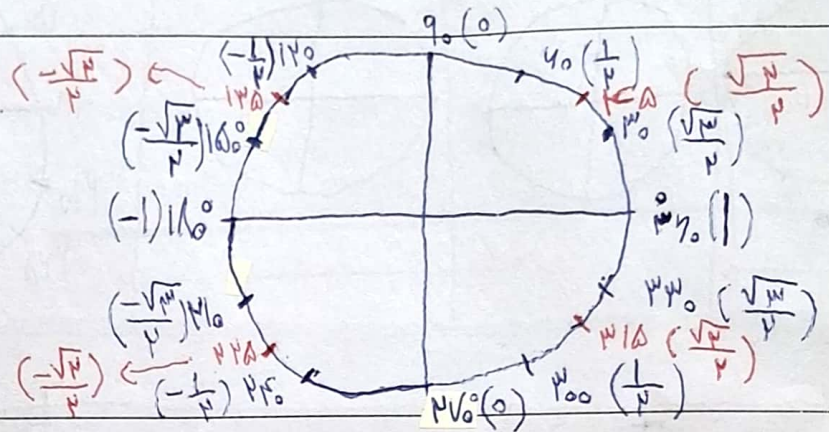
نام و نام خانوادگی: پاسخنامه تشریحی تکلیف شماره ۲ کلاس: A دهه:



اول

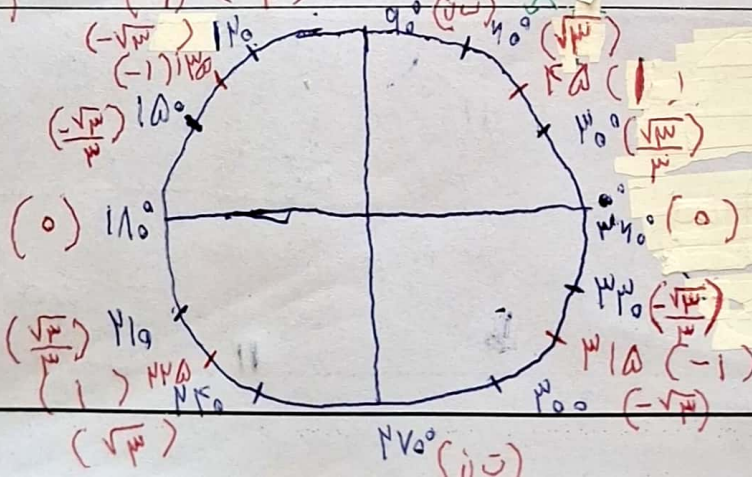
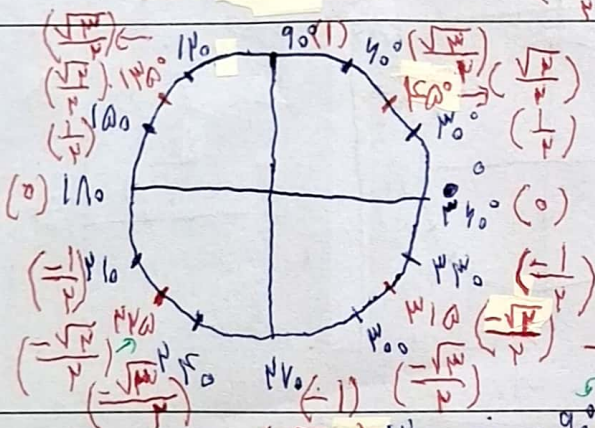


دوم

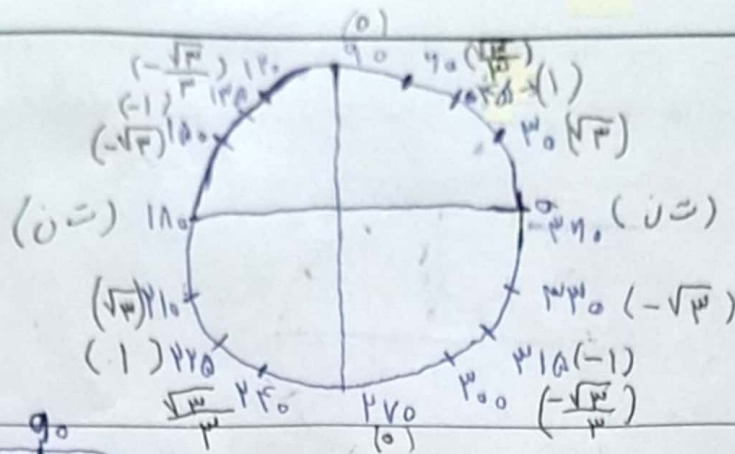


cos

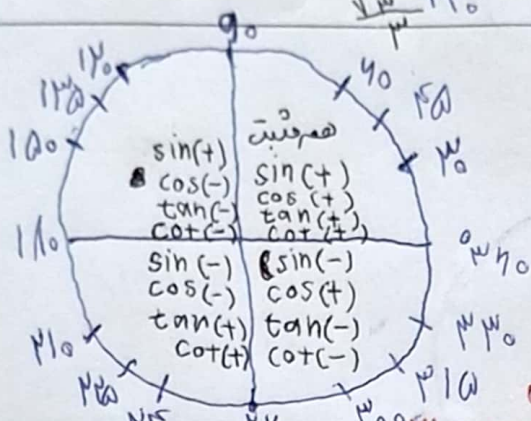
sin



tan



cot



الف) 40°

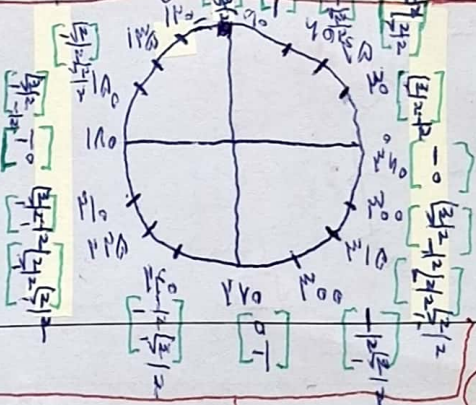
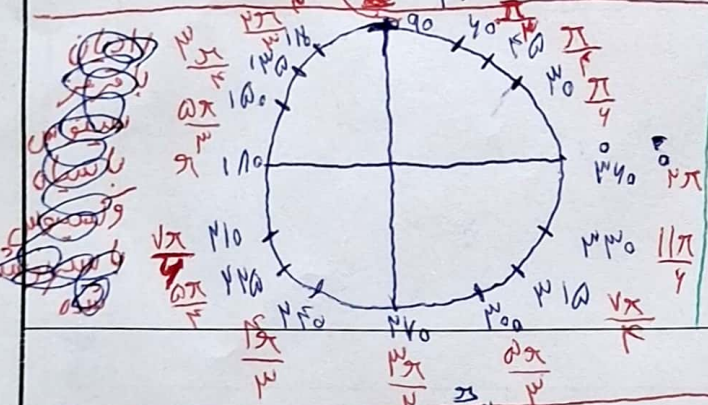
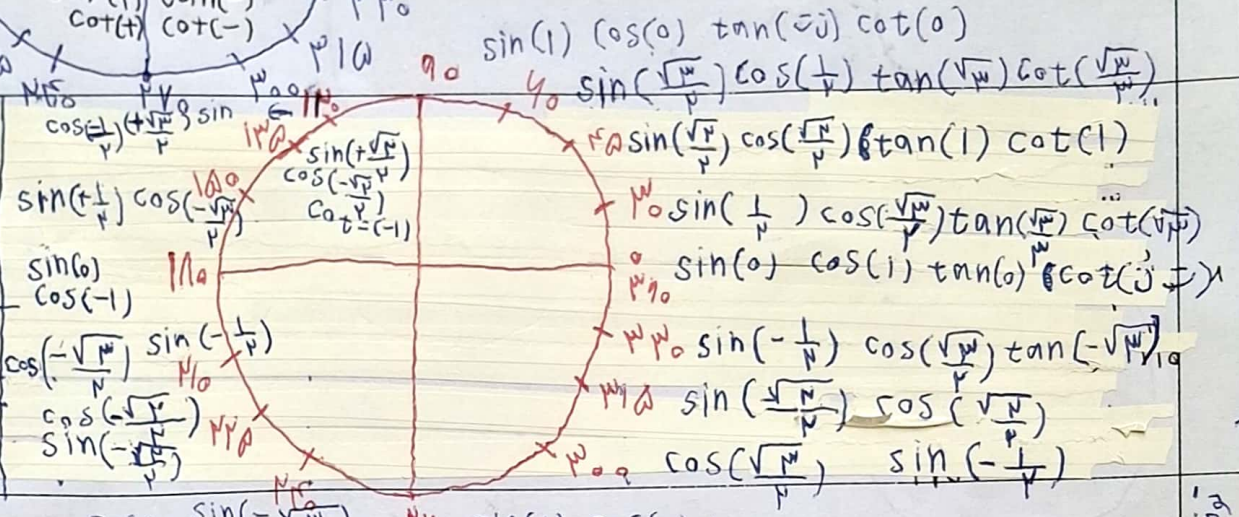
ب) 110°

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

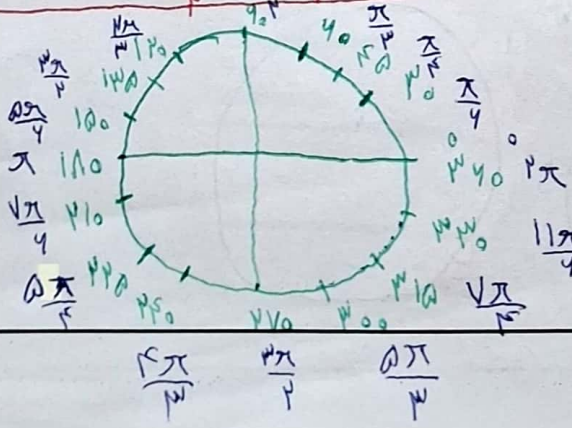
2. 100°

3. 110°

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



الف) 40°
ب) 110°
ج) 100°
د) 110°



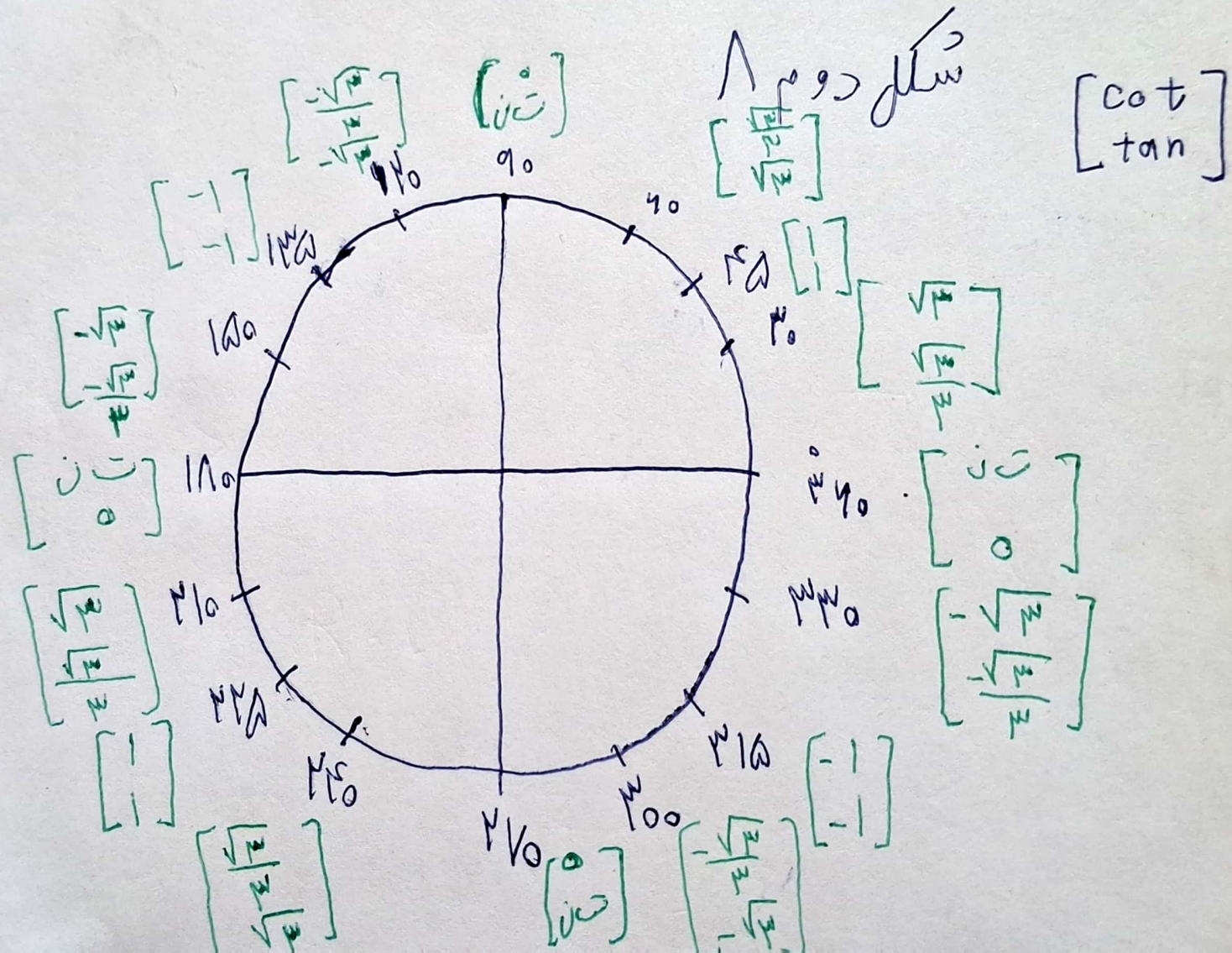
دوم

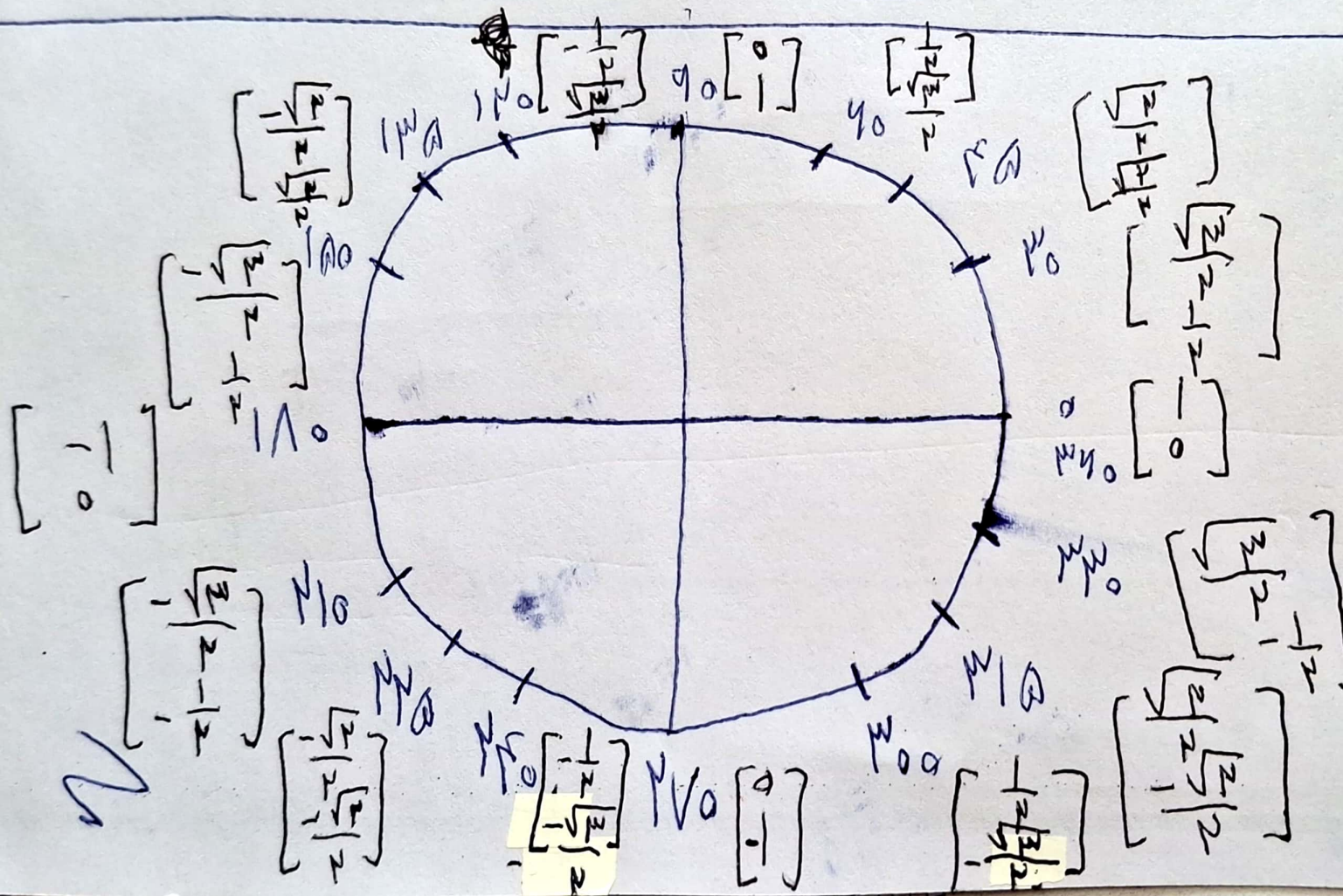
دائرة

الف) 110°
 $\cot = \frac{\cos}{\sin} \Rightarrow \cot 110^\circ = -1$
 $\frac{\sqrt{2}}{2} = -1 \Rightarrow \cos 110^\circ = -1$

ب) 40°
 $\sin(40^\circ) = \frac{\sqrt{2}}{2}$
 $\sin(110^\circ) = \frac{\sqrt{2}}{2}$

ج) 100°
د) 110°





سنگل دوس
سوال 10

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

الف $\frac{N\pi}{M} \rightarrow N_0^\circ$ $-\cos(N_0) = \frac{1}{N}$

$N_0^\circ \rightarrow \frac{\pi}{4}$ $\sin(N_0) = \frac{1}{N}$ $\sin(15^\circ) = \frac{1}{N}$
 $15^\circ \rightarrow \frac{5\pi}{4}$

ب $\frac{11\pi}{4} \rightarrow N_0^\circ - \sin(N_0) = -\frac{\sqrt{N}}{N}$

$-\frac{\sqrt{N}}{N} = \sin(N_0) = \sin(N_0)$
 $N_0 \rightarrow \frac{\pi}{4}$ $N_0 \rightarrow \frac{5\pi}{4}$

توضیح بیشتر قسمت الف و سوال 9