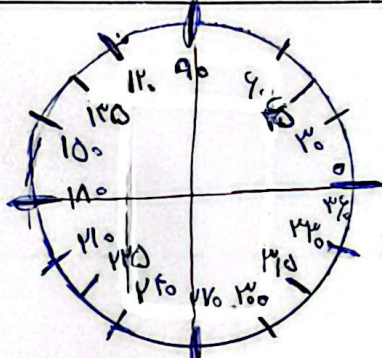
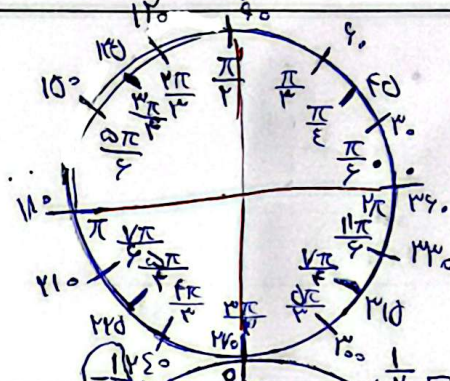


نام و نام خانوادگی: (مجدری) (مومنی) پاسخنامه تشریحی تکلیف شماره ۲ کلاس: (هم) A

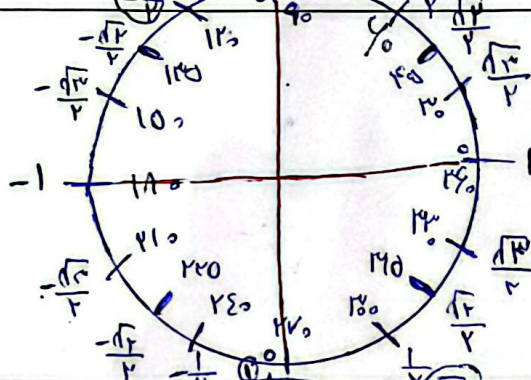


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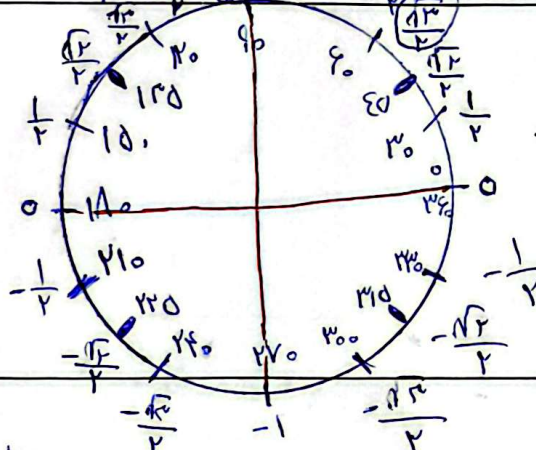
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$$\begin{aligned}\cos 0^\circ &= 0 \\ \cos 120^\circ &= 0 \\ \cos 120^\circ &= -\frac{1}{2}\end{aligned}$$

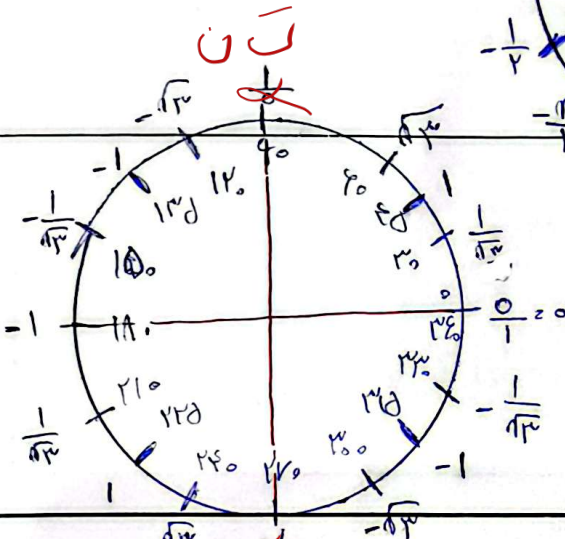


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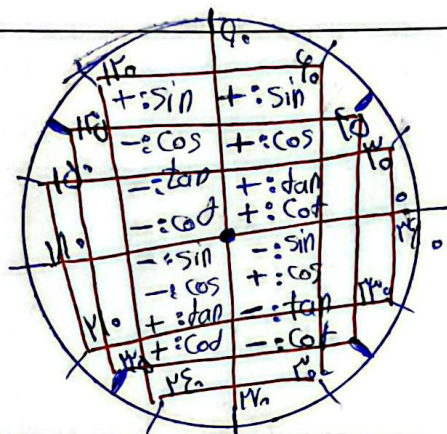
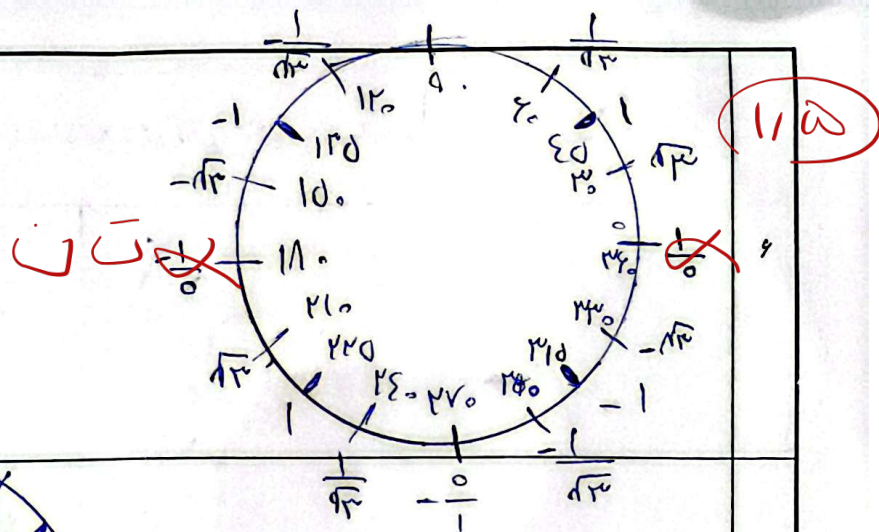
$$\begin{aligned}\sin 90^\circ &= \frac{\sqrt{3}}{2} \\ \sin 90^\circ &= 1 \\ \sin 120^\circ &= \frac{\sqrt{3}}{2}\end{aligned}$$



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

$$\cos 120^\circ = -\frac{\sqrt{3}}{2} \rightarrow \cos 110^\circ = -\frac{\sqrt{3}}{2} \text{ (ب)}$$

$$\tan 120^\circ = -\sqrt{3} \rightarrow \tan 110^\circ = -\sqrt{3} \text{ (ج)}$$

$$\cot 120^\circ = -\frac{1}{\sqrt{3}} \rightarrow \cot 110^\circ = -\frac{1}{\sqrt{3}} \text{ (د)}$$

$$\cos \frac{12\pi}{6} = -1 \xrightarrow{\text{مربع}} \frac{1}{2} \rightarrow \sin \frac{\pi}{6}, \frac{5\pi}{6} = \frac{1}{2} \text{ (الف)}$$

$$\cos \frac{11\pi}{6} = +\frac{\sqrt{3}}{2} \xrightarrow{\text{مربع}} -\frac{\sqrt{3}}{2} \rightarrow \sin \frac{5\pi}{6}, \frac{7\pi}{6} = -\frac{\sqrt{3}}{2} \text{ (ب)}$$

$$\cot \frac{7\pi}{2} = -1 \rightarrow \cos 110^\circ \text{ (الف)}$$

$$\cos 120^\circ = -\frac{\sqrt{3}}{2} \xrightarrow{\text{مربع}} \frac{\sqrt{3}}{2} \rightarrow \sin 60^\circ, 120^\circ = \frac{\sqrt{3}}{2} \text{ (ب)}$$