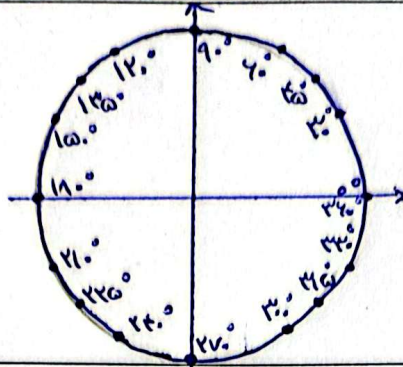
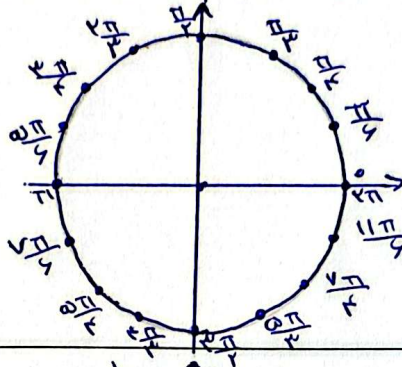


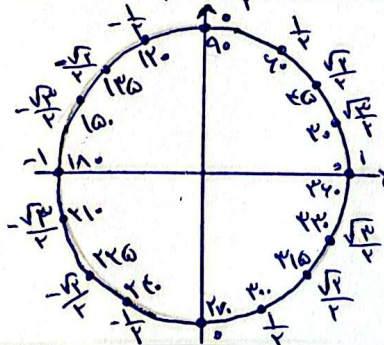
نام و نام خانوادگی: کیا ریش بیگانی پاسخنامه تشریحی تکلیف شماره ... کلاس ... دوم دبیرستان ...



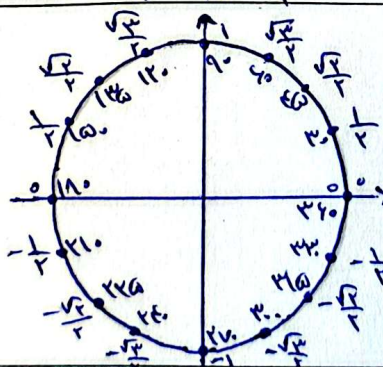
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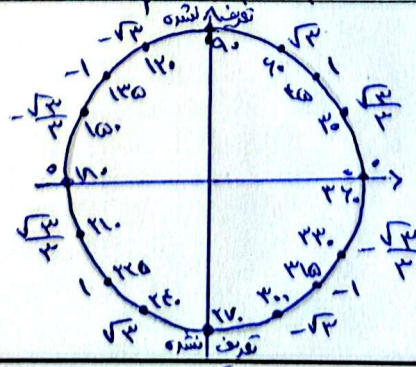
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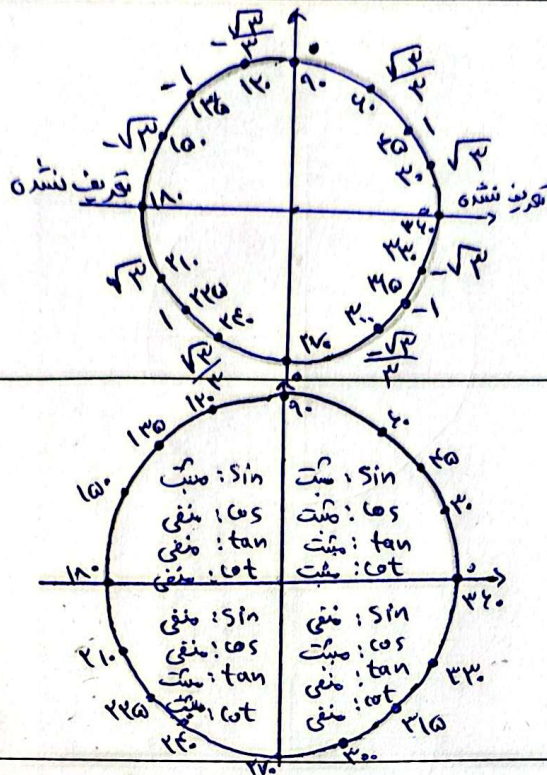
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الف) $\sin 120^\circ = \frac{\sqrt{3}}{2} \Rightarrow \hat{\alpha} = 60^\circ$

ب) $\cos 150^\circ = -\frac{\sqrt{3}}{2} \Rightarrow \hat{\alpha} = 210^\circ$

ج) $\tan 225^\circ = -\frac{\sqrt{3}}{3} \Rightarrow \hat{\alpha} = 150^\circ$

د) $\cot 135^\circ = -1 \Rightarrow \hat{\alpha} = 315^\circ$

الف) $\cos \frac{4\pi}{3} = -\frac{1}{2} \Rightarrow -\cos \frac{4\pi}{3} = \frac{1}{2} \Rightarrow \begin{cases} \hat{\alpha} = \frac{\pi}{6} \\ \hat{\beta} = \frac{5\pi}{6} \end{cases}$

ب) $\cos \frac{11\pi}{6} = \frac{\sqrt{3}}{2} \Rightarrow -\cos \frac{11\pi}{6} = -\frac{\sqrt{3}}{2} \Rightarrow \begin{cases} \hat{\alpha} = \frac{4\pi}{3} \\ \hat{\beta} = \frac{2\pi}{3} \end{cases}$

الف) $\cot \frac{7\pi}{4} = -1 \Rightarrow \hat{\alpha} = 180^\circ$

ب) $-\cos 150^\circ = -(-\frac{\sqrt{3}}{2}) = \frac{\sqrt{3}}{2} \Rightarrow \begin{cases} \hat{\alpha} = 30^\circ \\ \hat{\beta} = 120^\circ \end{cases}$