نام و نام خانوادگی ..... پاسخنامه تشریحی تکلیف شماره ۲ ..... کلاس ۹۰۷

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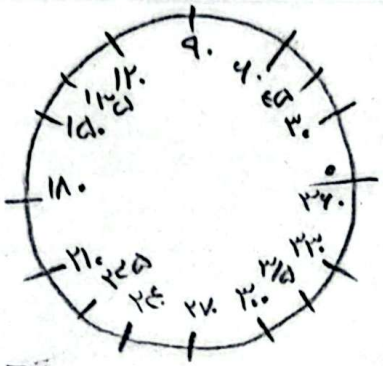

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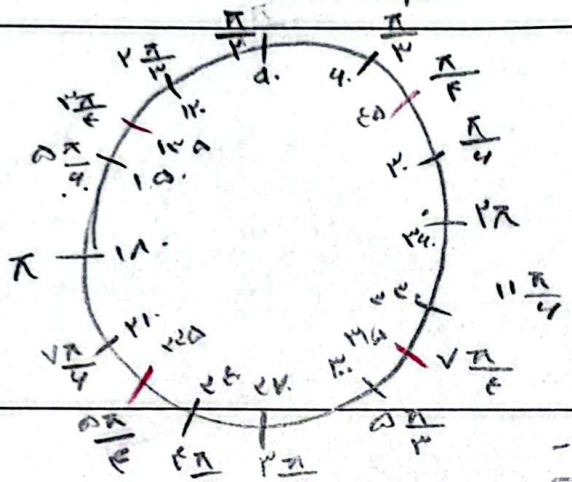

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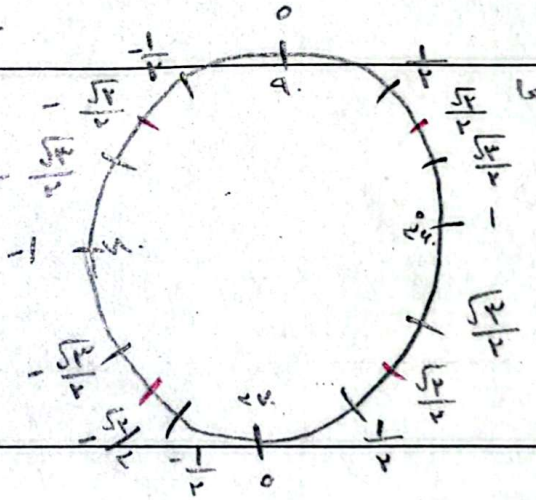

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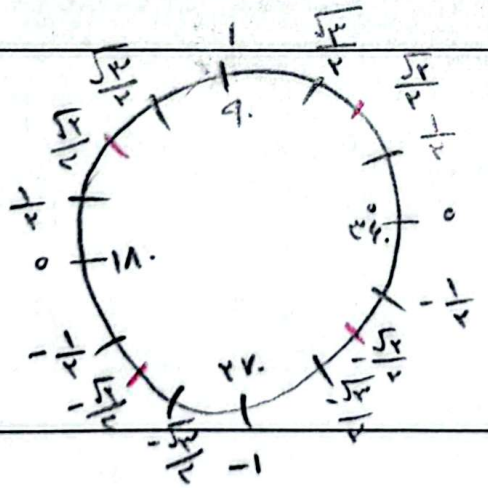

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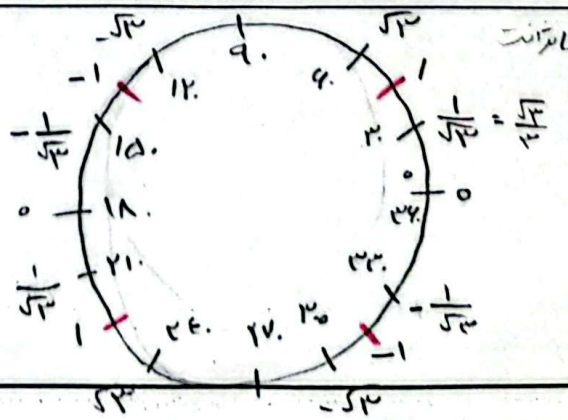

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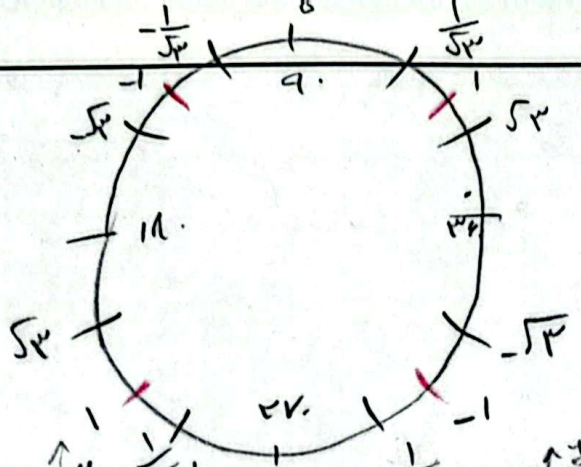

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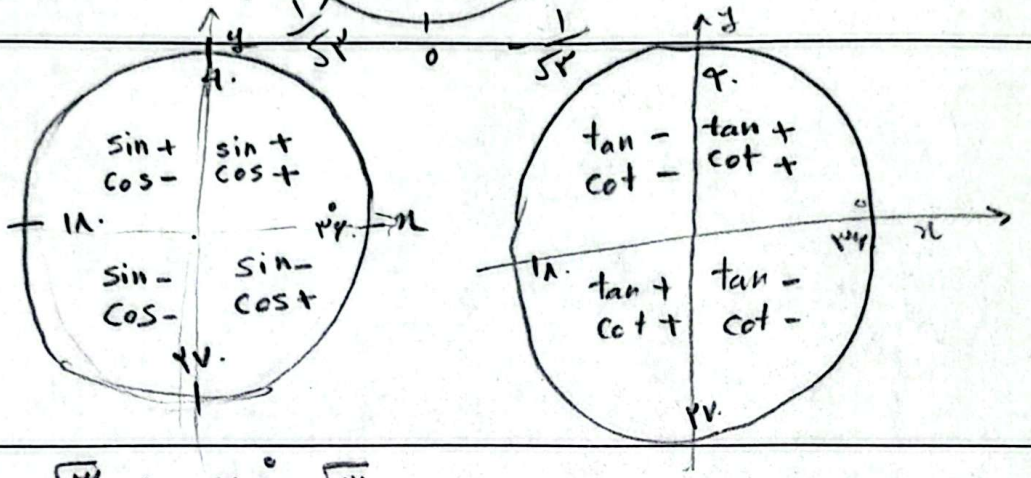

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الف) $\sin 120^\circ = \frac{\sqrt{3}}{2}$ با 60° $\sin = \frac{\sqrt{3}}{2}$

ب) $\cos 150^\circ = -\frac{\sqrt{3}}{2}$ با 30° $\sin = \frac{1}{2}$

ج) $\tan 330^\circ = \frac{1}{\sqrt{3}}$ با 150°

د) $\cot 135^\circ = -1$ با 315°

۹

الف) $\cos \frac{2\pi}{3} = -\frac{1}{2} \xrightarrow{\text{قرینه}} \frac{1}{2}$ $\quad \frac{\pi}{6} = 30^\circ$, $\frac{5\pi}{6} = 150^\circ$

ب) $\cos \frac{11\pi}{6} = \frac{\sqrt{3}}{2} \xrightarrow{\text{قرینه}} -\frac{\sqrt{3}}{2}$ $\quad 300^\circ = \frac{5\pi}{3}$, $240^\circ = \frac{4\pi}{3}$

۱۰

الف) $\cot \frac{7\pi}{4} = \frac{\frac{\sqrt{2}}{2}}{-\frac{\sqrt{2}}{2}} = -1$ $\quad 180^\circ \cos = -1$

ب) $\cos 150^\circ = -\frac{\sqrt{2}}{2} \xrightarrow{\text{قرینه}} \frac{\sqrt{3}}{2}$ $\quad 60^\circ \sin = \frac{\sqrt{3}}{2}$, $120^\circ \sin = \frac{\sqrt{3}}{2}$