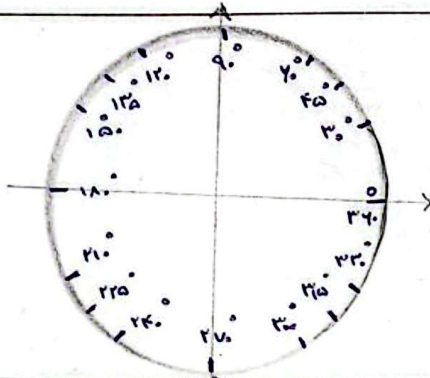
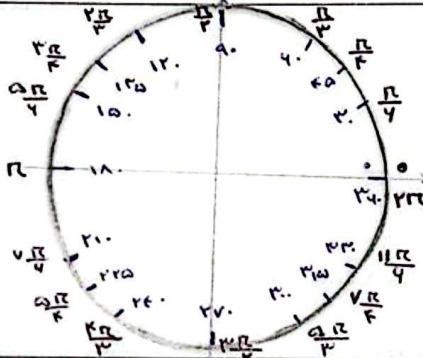


نام و نام خانوادگی جایگاه پاسخنامه تشریحی تکلیف شماره ۲ کلاس دهم فصل ۸

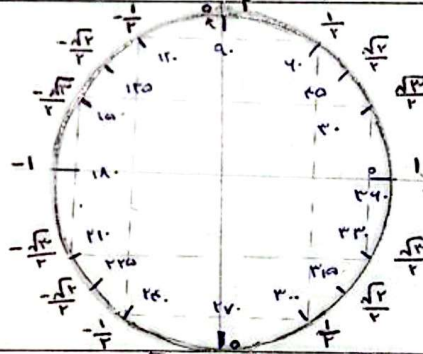
زرا یا محروف
بر حسب درجہ



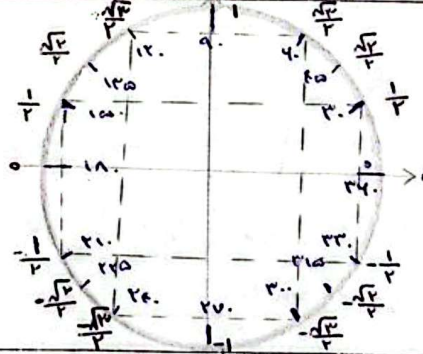
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بر حسب رادین



کینوس زدا یا عرف



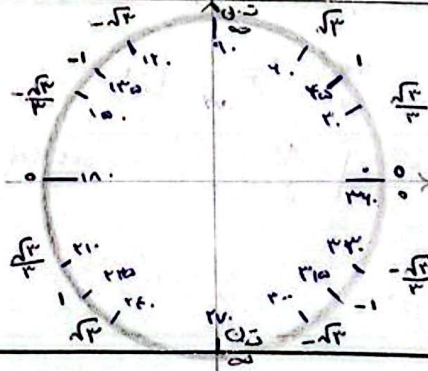
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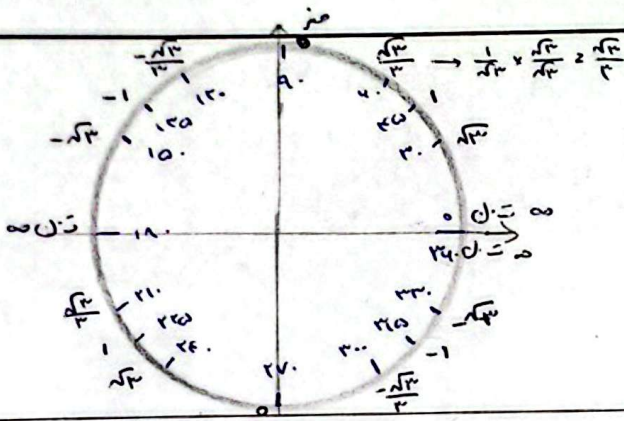


مانترانت زوايا محروف

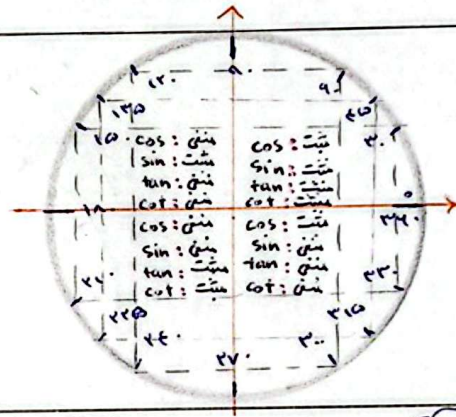
$$\tan \theta = \frac{\sin \theta}{\cos \theta}$$

$$3.^\circ = \frac{-1}{-1/\frac{1}{2}} = \frac{-1}{-\frac{1}{2}} \times \frac{\frac{1}{2}}{\frac{1}{2}} = \frac{\frac{1}{2}}{\frac{1}{2}}$$





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



الف) $\sin x = \sin 15^\circ$ $\sin 15^\circ = \frac{\sqrt{3}}{4}$ $\sin 45^\circ = \frac{\sqrt{2}}{2}$ $x = 45^\circ$

ب) $\cos x = \cos 15^\circ$ $\cos 15^\circ = \frac{\sqrt{3}}{4}$ $\cos 135^\circ = -\frac{\sqrt{2}}{2}$ $x = 135^\circ$

ج) $\tan a = \tan 15^\circ$ $\tan 15^\circ = \frac{\sin}{\cos} = \frac{1/4}{\sqrt{3}/4} = \frac{1}{\sqrt{3}}$ $\tan 45^\circ = 1$ $a = 45^\circ$

د) $\cot b = \cot 135^\circ$ $\cot = \frac{\cos}{\sin} \rightarrow \cot 135^\circ = \frac{-\sqrt{2}/2}{\sqrt{2}/2} = -1$ $\cot 135^\circ = -1$ $b = 135^\circ$

الف) $\cos \frac{\pi}{4} = \frac{\sqrt{2}}{2}$ $\cos \frac{\pi}{4} = \frac{\sqrt{2}}{2}$ $\frac{\pi}{4} = 45^\circ$

جوابي $\rightarrow -\cos \frac{\pi}{4} = -\frac{\sqrt{2}}{2}$ $\sin \frac{\pi}{4} = \frac{\sqrt{2}}{2}$

ب) $-\cos \frac{11\pi}{4} = -\cos \frac{3\pi}{4} = -\frac{\sqrt{2}}{2}$ $\frac{11\pi}{4} = 315^\circ$ $\cos 315^\circ = \frac{\sqrt{2}}{2}$

ج) $\sin \frac{11\pi}{4} = \sin \frac{3\pi}{4} = \frac{\sqrt{2}}{2}$ $\frac{11\pi}{4} = 315^\circ$ $\sin 315^\circ = -\frac{\sqrt{2}}{2}$

الف) $\cot \frac{\sqrt{2}}{2} = \cot 45^\circ$ $\cot = \frac{\cos}{\sin} = \frac{\sqrt{2}/2}{\sqrt{2}/2} = 1$ $x = 45^\circ$

ب) $\cot \frac{\sqrt{2}}{2} = \cot 135^\circ$ $\cot 135^\circ = -1$ $x = 135^\circ$

ج) $\cos 15^\circ = \frac{\sqrt{3}}{4}$ $\cos 15^\circ = \frac{\sqrt{3}}{4}$ $15^\circ = 15^\circ$

د) $\sin x = \frac{\sqrt{2}}{2}$ $\sin 45^\circ = \frac{\sqrt{2}}{2}$ $x = 45^\circ$

الف) $\cot \frac{\sqrt{2}}{2} = \cot 45^\circ$ $\cot 45^\circ = 1$ $x = 45^\circ$