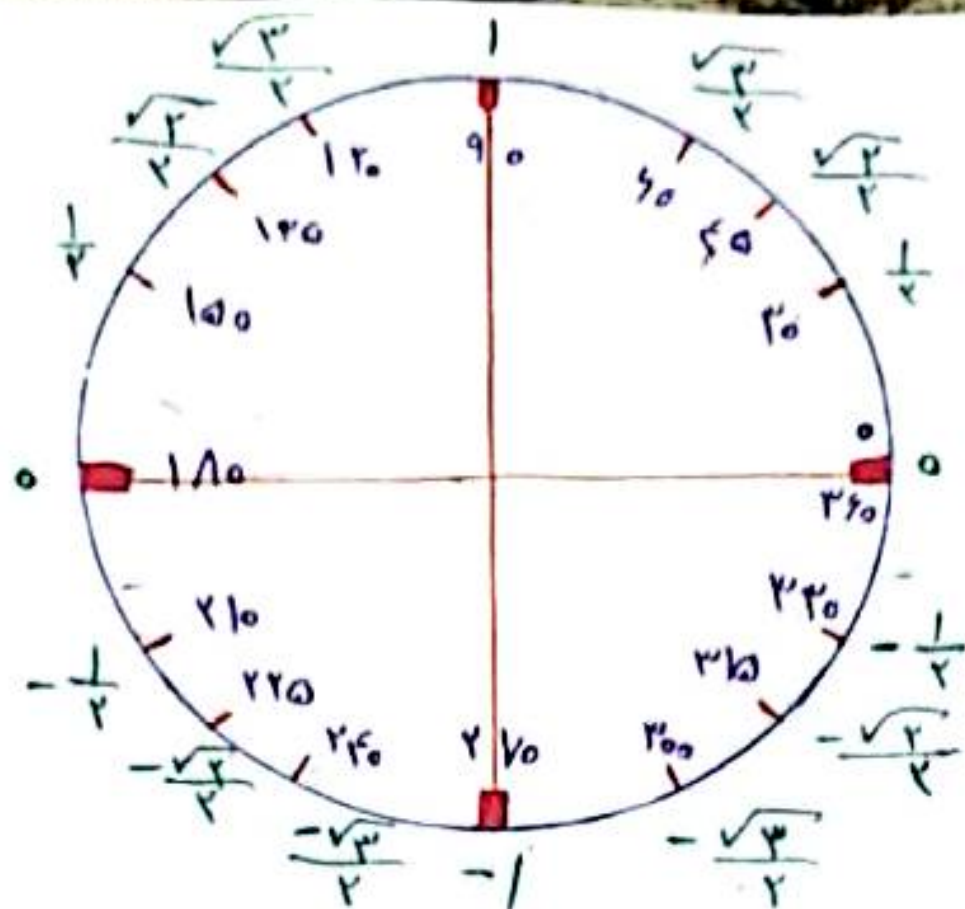
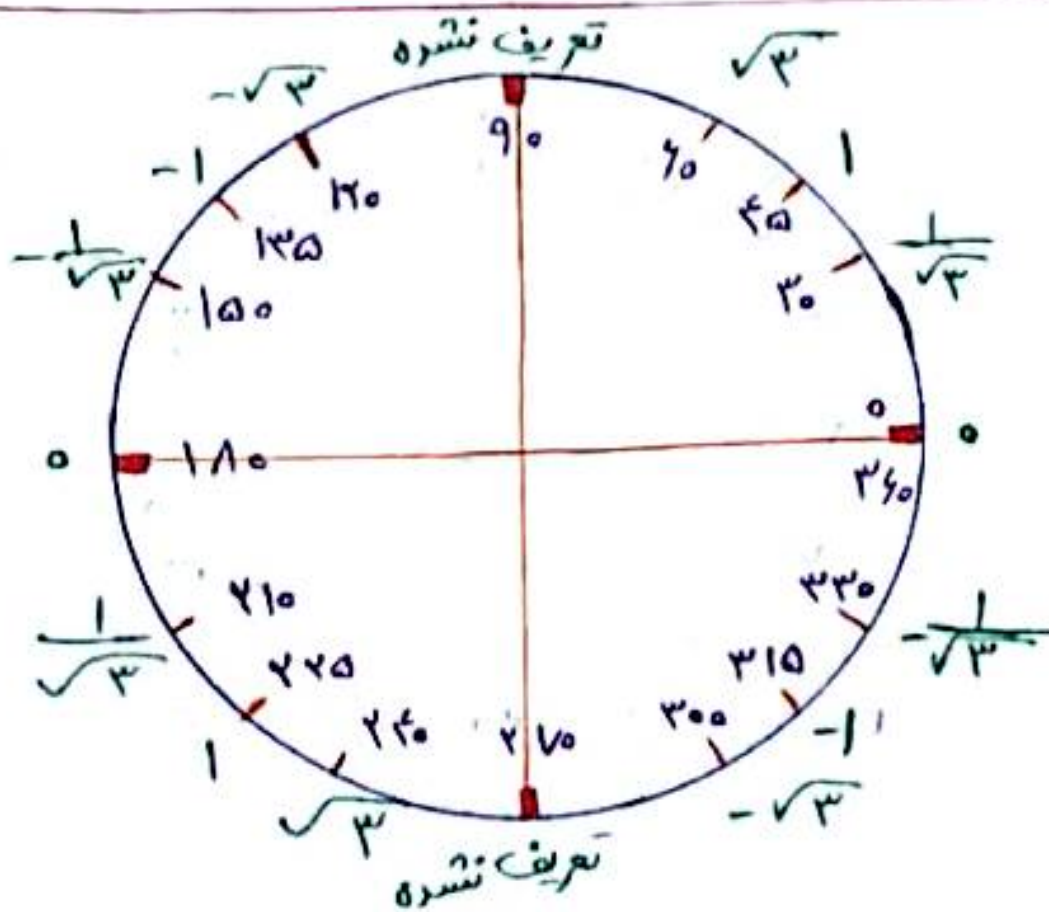


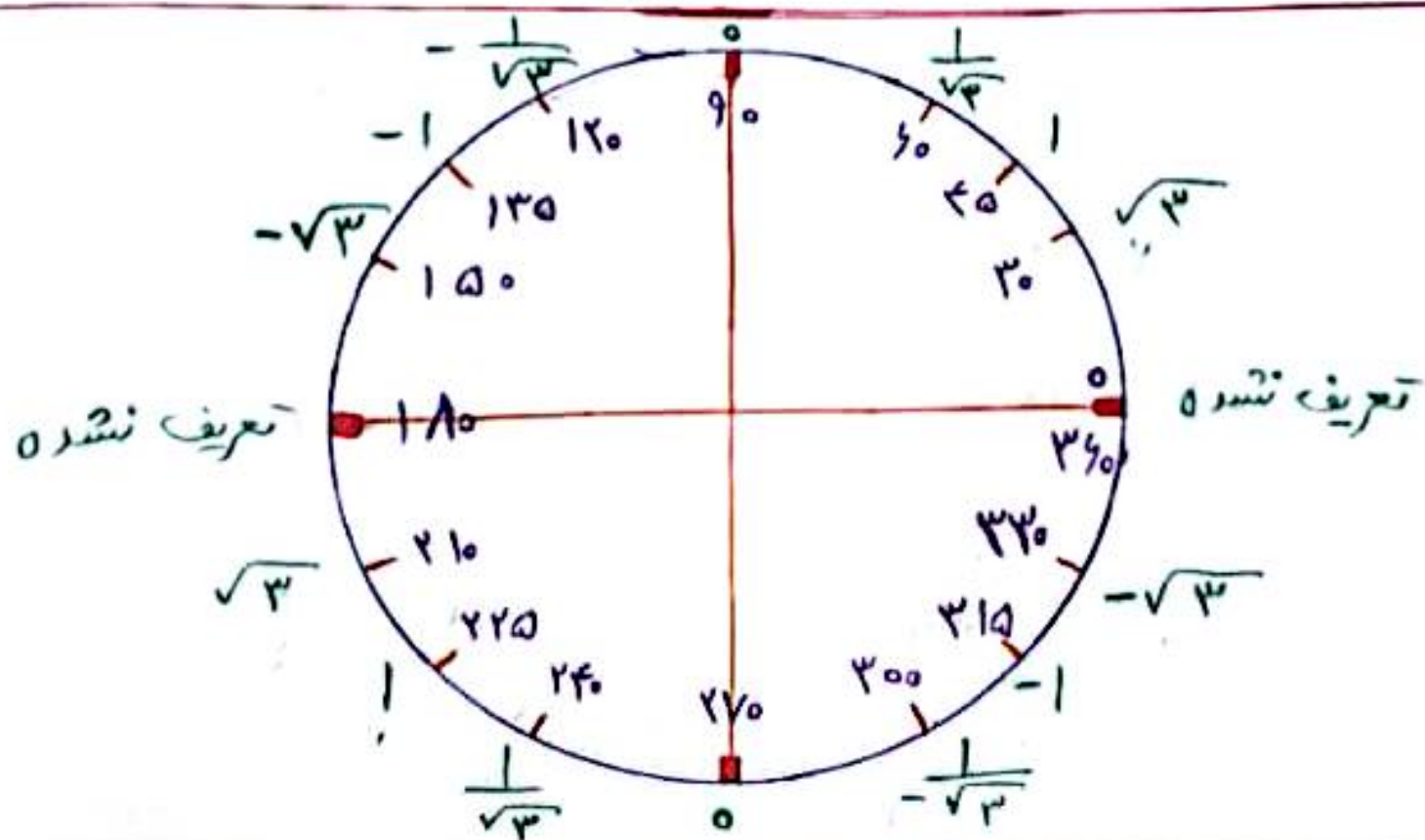
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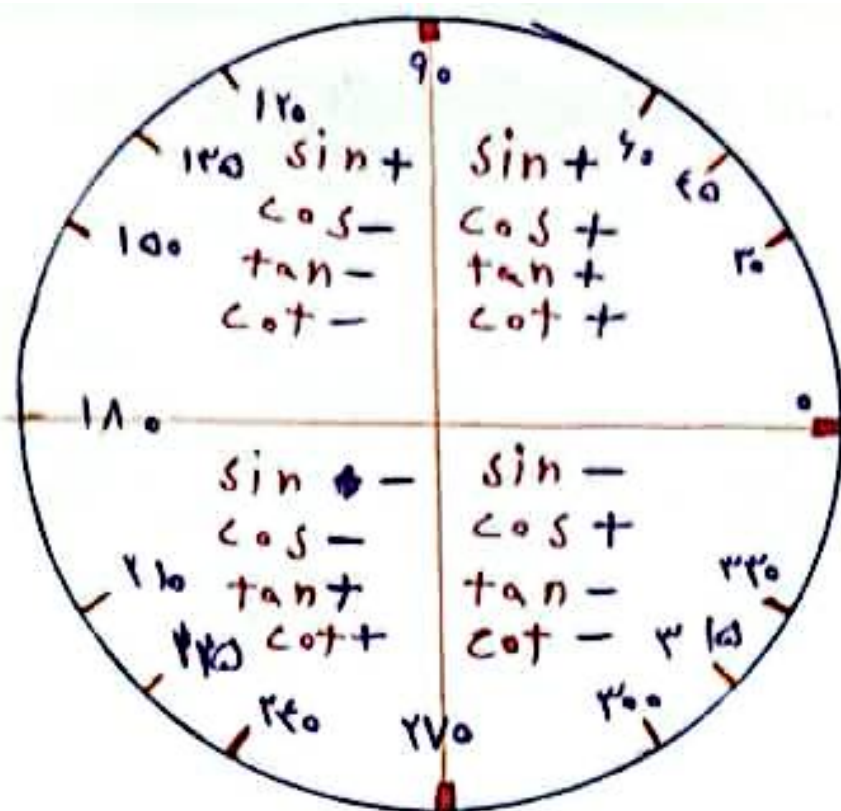


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۸ - الف (۰ تا ۹۰)

ب (۹۰ تا ۱۸۰)

ج (۱۸۰ تا ۲۷۰)

د (۲۷۰ تا ۳۶۰)

۹ - الف (۰ تا ۹۰ و ۱۸۰ تا ۲۷۰)
 $\frac{\pi}{6}$ و $\frac{5\pi}{6}$
 $\frac{2\pi}{3} = 120^\circ$ $\cos 120^\circ = -\frac{1}{2}$
 $\sin 30^\circ$ و $150^\circ = \frac{1}{2}$
 $\frac{4\pi}{3} = 240^\circ$ $\cos 240^\circ = -\frac{1}{2}$
 $\sin 120^\circ$ و $300^\circ = \frac{\sqrt{3}}{2}$
 $\frac{11\pi}{6} = 330^\circ$ $\cos 330^\circ = \frac{1}{2}$
 $\sin 210^\circ$ و $150^\circ = -\frac{1}{2}$
 $\frac{5\pi}{3} = 300^\circ$ $\cos 300^\circ = \frac{1}{2}$
 $\sin 60^\circ$ و $120^\circ = \frac{\sqrt{3}}{2}$
 $\frac{7\pi}{6} = 210^\circ$ $\cos 210^\circ = -\frac{\sqrt{3}}{2}$
 $\sin 30^\circ$ و $150^\circ = \frac{1}{2}$
 $\frac{3\pi}{2} = 270^\circ$ $\cos 270^\circ = 0$
 $\sin 0^\circ$ و $360^\circ = 0$

۱۰ - الف (۰ تا ۹۰ و ۱۸۰ تا ۲۷۰)
 $\frac{7\pi}{4} = 315^\circ$ $\cos 315^\circ = \frac{\sqrt{2}}{2}$
 $\sin 45^\circ$ و $135^\circ = \frac{\sqrt{2}}{2}$
 $\frac{5\pi}{4} = 225^\circ$ $\cos 225^\circ = -\frac{\sqrt{2}}{2}$
 $\sin 225^\circ$ و $135^\circ = -\frac{\sqrt{2}}{2}$
 $\frac{3\pi}{4} = 135^\circ$ $\cos 135^\circ = -\frac{\sqrt{2}}{2}$
 $\sin 45^\circ$ و $135^\circ = \frac{\sqrt{2}}{2}$
 $\frac{\pi}{4} = 45^\circ$ $\cos 45^\circ = \frac{\sqrt{2}}{2}$
 $\sin 0^\circ$ و $360^\circ = 0$

پس چنین زاویه ای وجود ندارد

ب (۹۰ تا ۱۸۰ و ۲۷۰ تا ۳۶۰)
 $\frac{5\pi}{4} = 225^\circ$ $\cos 225^\circ = -\frac{\sqrt{2}}{2}$
 $\sin 225^\circ$ و $135^\circ = -\frac{\sqrt{2}}{2}$
 $\frac{3\pi}{4} = 135^\circ$ $\cos 135^\circ = -\frac{\sqrt{2}}{2}$
 $\sin 45^\circ$ و $135^\circ = \frac{\sqrt{2}}{2}$
 $\frac{7\pi}{4} = 315^\circ$ $\cos 315^\circ = \frac{\sqrt{2}}{2}$
 $\sin 45^\circ$ و $135^\circ = \frac{\sqrt{2}}{2}$
 $\frac{\pi}{4} = 45^\circ$ $\cos 45^\circ = \frac{\sqrt{2}}{2}$
 $\sin 0^\circ$ و $360^\circ = 0$