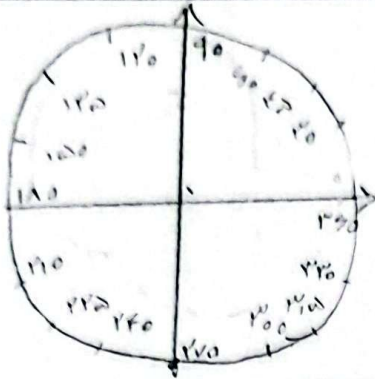
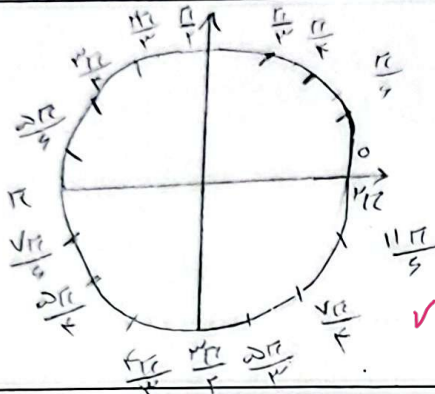




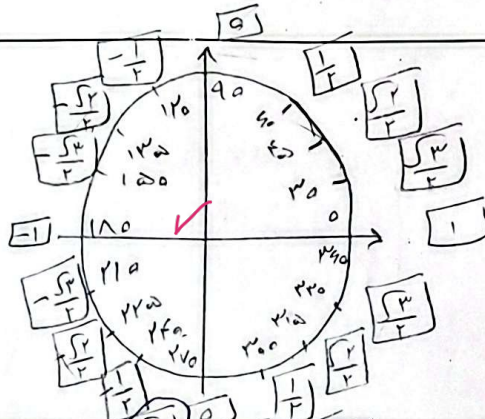
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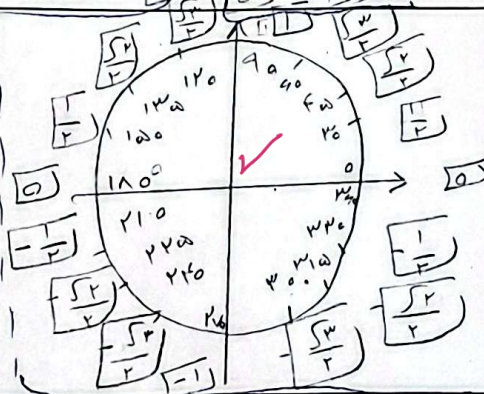
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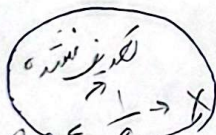
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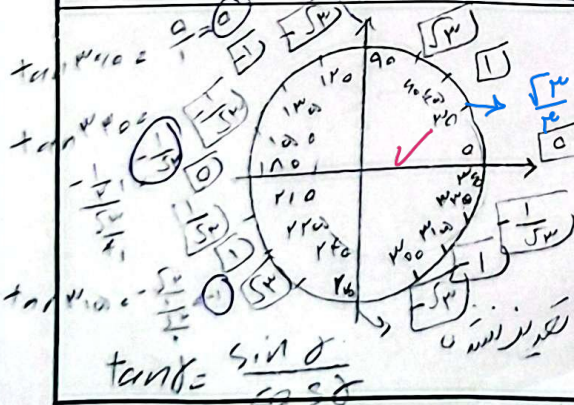


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$\tan \theta = \frac{\sin \theta}{\cos \theta}$



$\tan 90^\circ = \frac{\sin 90^\circ}{\cos 90^\circ} = \frac{1}{0} = \infty$

$\tan 180^\circ = \frac{\sin 180^\circ}{\cos 180^\circ} = \frac{0}{-1} = 0$

$\tan 270^\circ = \frac{\sin 270^\circ}{\cos 270^\circ} = \frac{-1}{0} = \infty$

$\tan 360^\circ = \frac{\sin 360^\circ}{\cos 360^\circ} = \frac{0}{1} = 0$

$\tan 0^\circ = \frac{\sin 0^\circ}{\cos 0^\circ} = \frac{0}{1} = 0$

$\tan 45^\circ = \frac{\sin 45^\circ}{\cos 45^\circ} = \frac{\frac{\sqrt{2}}{2}}{\frac{\sqrt{2}}{2}} = 1$

$\tan 135^\circ = \frac{\sin 135^\circ}{\cos 135^\circ} = \frac{\frac{\sqrt{2}}{2}}{-\frac{\sqrt{2}}{2}} = -1$

$\tan 225^\circ = \frac{\sin 225^\circ}{\cos 225^\circ} = \frac{-\frac{\sqrt{2}}{2}}{-\frac{\sqrt{2}}{2}} = 1$

$\tan 315^\circ = \frac{\sin 315^\circ}{\cos 315^\circ} = \frac{-\frac{\sqrt{2}}{2}}{\frac{\sqrt{2}}{2}} = -1$

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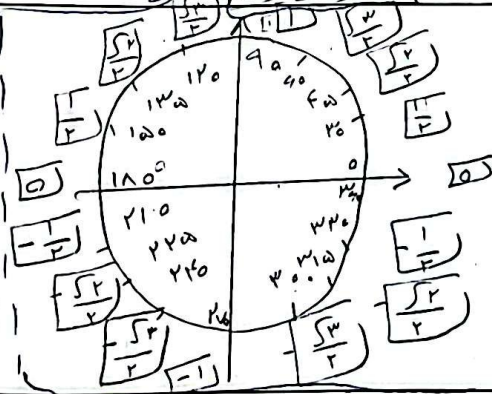
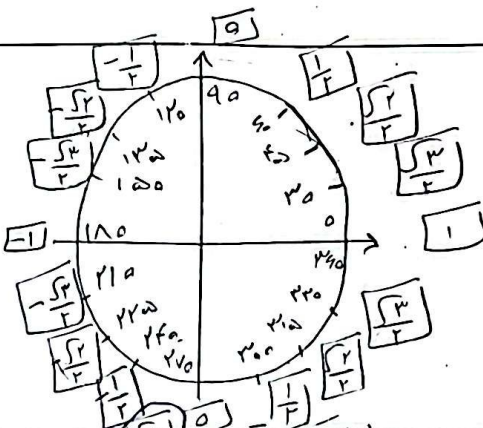
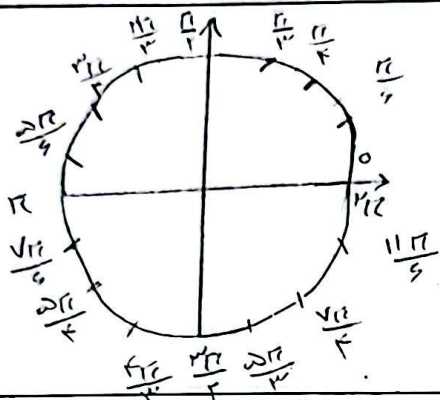
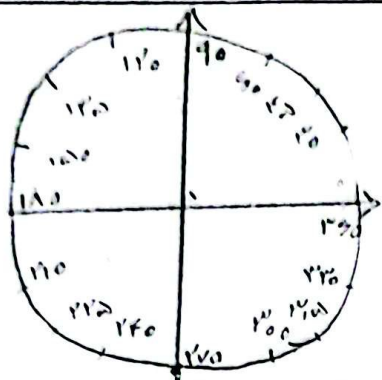
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$\tan 110^\circ = \frac{\sin 110^\circ}{\cos 110^\circ}$

$\tan 170^\circ = \frac{\sin 170^\circ}{\cos 170^\circ}$

$\tan 250^\circ = \frac{\sin 250^\circ}{\cos 250^\circ}$

$\tan 340^\circ = \frac{\sin 340^\circ}{\cos 340^\circ}$



$\tan 0^\circ = \frac{0}{1} = 0$
 $\tan 30^\circ = \frac{1/\sqrt{3}}{1} = \frac{1}{\sqrt{3}}$
 $\tan 45^\circ = \frac{1}{1} = 1$
 $\tan 60^\circ = \frac{\sqrt{3}}{1} = \sqrt{3}$
 $\tan 90^\circ = \frac{\sqrt{1}}{0} = \infty$
 $\tan 120^\circ = \frac{\sqrt{3}}{-1} = -\sqrt{3}$
 $\tan 135^\circ = \frac{1}{-1} = -1$
 $\tan 150^\circ = \frac{1/\sqrt{3}}{-1} = -\frac{1}{\sqrt{3}}$
 $\tan 180^\circ = \frac{0}{-1} = 0$
 $\tan 210^\circ = \frac{\sqrt{3}}{-1} = -\sqrt{3}$
 $\tan 225^\circ = \frac{1}{-1} = -1$
 $\tan 240^\circ = \frac{1/\sqrt{3}}{-1} = -\frac{1}{\sqrt{3}}$
 $\tan 270^\circ = \frac{\sqrt{1}}{0} = \infty$
 $\tan 300^\circ = \frac{\sqrt{3}}{1} = \sqrt{3}$
 $\tan 315^\circ = \frac{1}{1} = 1$
 $\tan 330^\circ = \frac{1/\sqrt{3}}{1} = \frac{1}{\sqrt{3}}$
 $\tan 360^\circ = \frac{0}{1} = 0$

