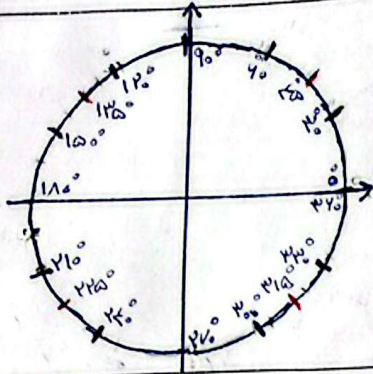
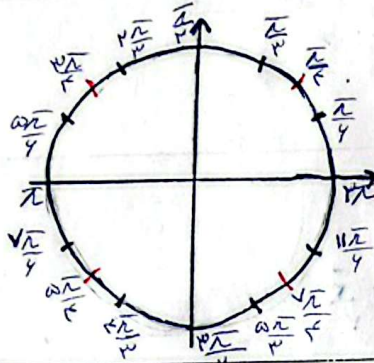
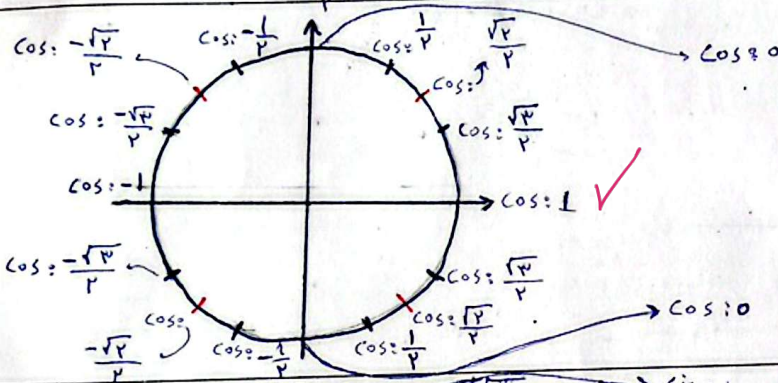




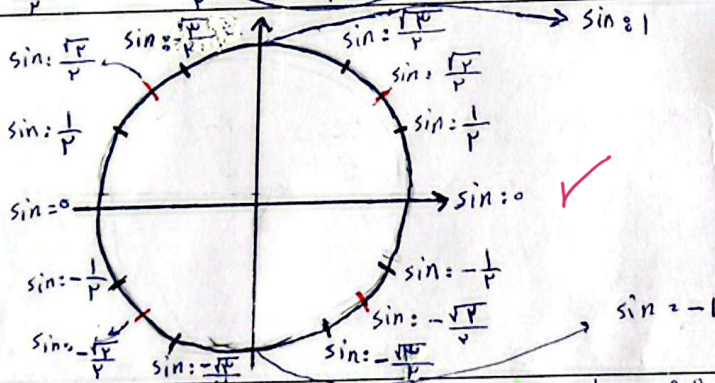
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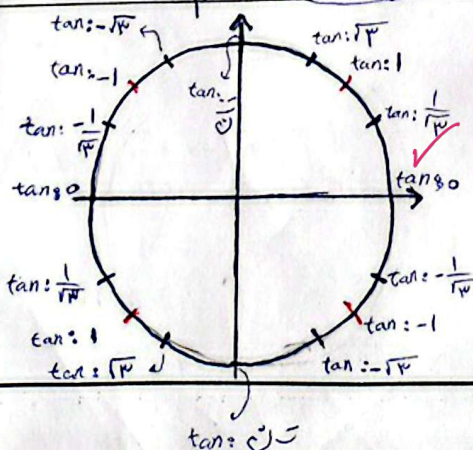
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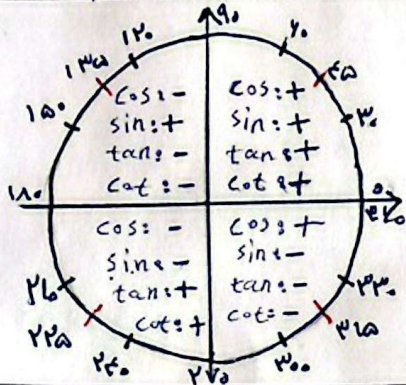
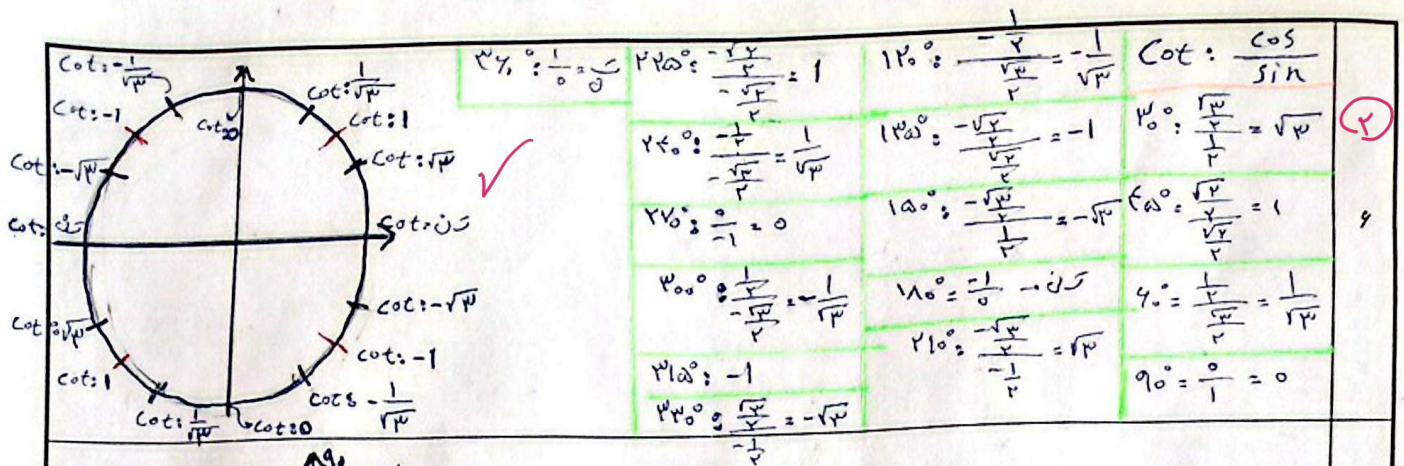


$0^\circ: \frac{0}{1} = 0$	$90^\circ: \frac{1}{0} = \text{کعبه نشد}$
$45^\circ: \frac{1}{1} = 1$	$135^\circ: \frac{1}{-1} = -1$
$135^\circ: \frac{1}{-1} = -1$	$225^\circ: \frac{1}{-1} = -1$
$225^\circ: \frac{1}{-1} = -1$	$315^\circ: \frac{1}{1} = 1$
$315^\circ: \frac{1}{1} = 1$	$0^\circ: \frac{0}{1} = 0$

$\tan = \frac{\sin}{\cos}$
 $0^\circ = \frac{0}{1} = 0$
 $45^\circ = \frac{\frac{\sqrt{2}}{2}}{\frac{\sqrt{2}}{2}} = 1$
 $135^\circ = \frac{\frac{\sqrt{2}}{2}}{-\frac{\sqrt{2}}{2}} = -1$
 $225^\circ = \frac{-\frac{\sqrt{2}}{2}}{-\frac{\sqrt{2}}{2}} = 1$
 $315^\circ = \frac{-\frac{\sqrt{2}}{2}}{\frac{\sqrt{2}}{2}} = -1$

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$$\sin 120^\circ = \frac{\sqrt{3}}{2} \rightarrow \sin 60^\circ = \frac{\sqrt{3}}{2} \rightarrow \boxed{60^\circ} \quad \text{الف}$$

$$\cos 150^\circ = -\frac{\sqrt{3}}{2} \rightarrow \cos 30^\circ = \frac{\sqrt{3}}{2} \rightarrow \boxed{30^\circ} \quad \text{ب}$$

$$\tan 210^\circ = \frac{-1}{\sqrt{3}} = -\frac{1}{\sqrt{3}} \rightarrow \tan 150^\circ = \frac{-1}{\sqrt{3}} = -\frac{1}{\sqrt{3}} \rightarrow \boxed{150^\circ} \quad \text{ج}$$

$$\cot 135^\circ = \frac{-1}{1} = -1 \rightarrow \cot 45^\circ = \frac{1}{1} = 1 \rightarrow \boxed{45^\circ} \quad \text{د}$$

$$\frac{2\pi}{3} = 120^\circ \rightarrow \cos 120^\circ = -\frac{1}{2} \xrightarrow{\text{قرينة}} \frac{1}{2} \Rightarrow \sin 60^\circ, \sin 30^\circ \quad \text{الف}$$

$$\frac{5\pi}{3} = 300^\circ \rightarrow \cos 300^\circ = \frac{1}{2} \xrightarrow{\text{قرينة}} -\frac{1}{2} \Rightarrow \sin 240^\circ, \sin 120^\circ \quad \text{ب}$$

$$\frac{3\pi}{2} = 270^\circ \rightarrow \cot 270^\circ = \frac{0}{-1} = 0 \Rightarrow \csc 90^\circ = 1 \quad \text{الف}$$

$$\cos 150^\circ = -\frac{\sqrt{3}}{2} \xrightarrow{\text{قرينة}} \frac{\sqrt{3}}{2} \Rightarrow \sin 30^\circ, \sin 150^\circ \quad \text{ب}$$

$$\rightarrow \boxed{30^\circ}, \boxed{150^\circ}$$