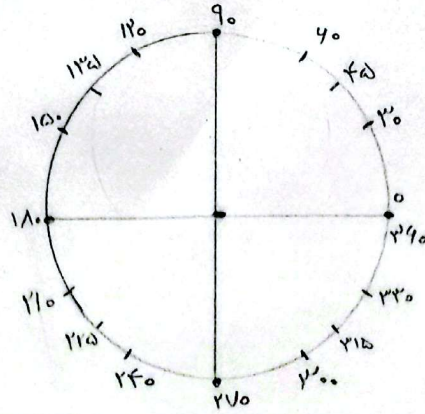
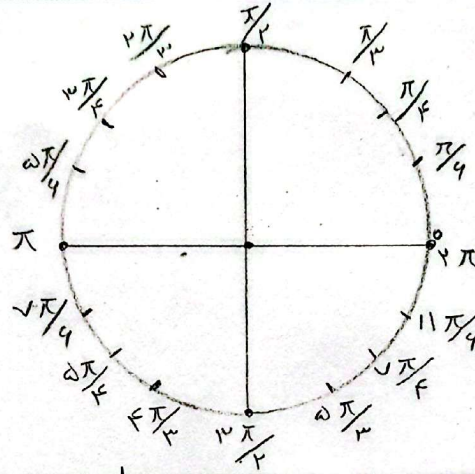
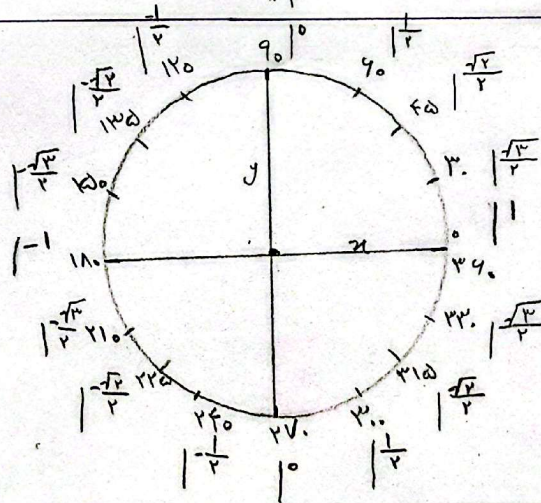




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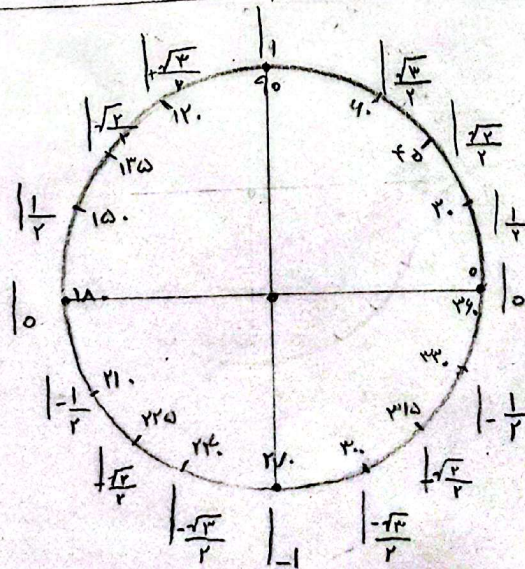


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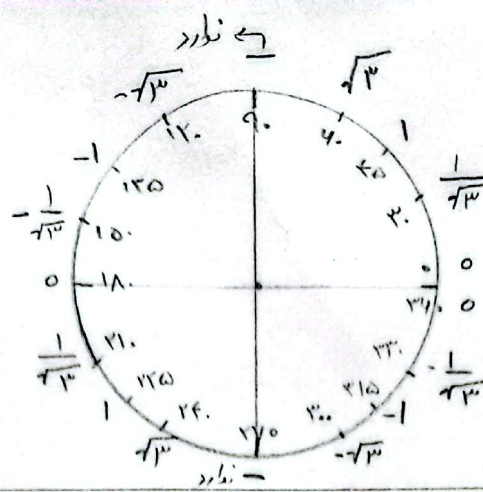
$$\cos = x$$

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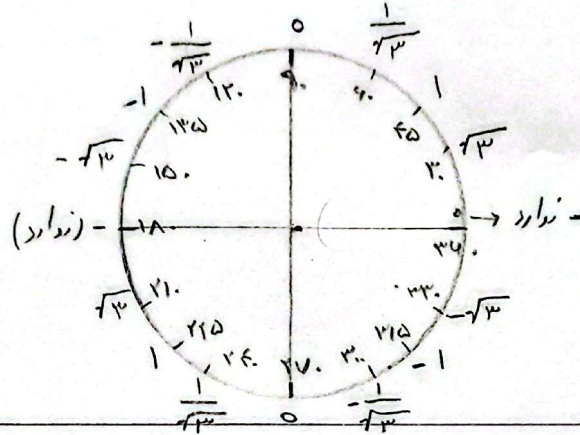
$$\sin = y$$

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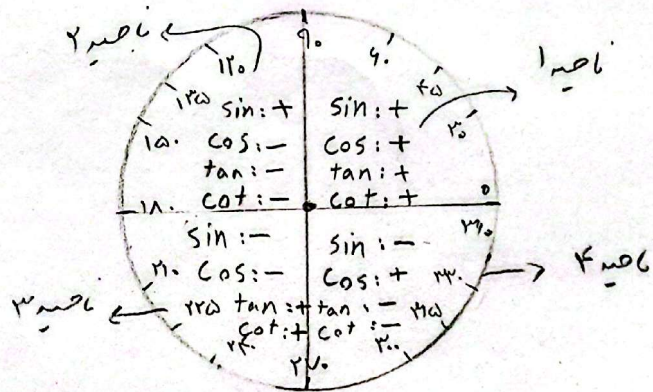
$$\tan = \frac{\sin}{\cos}$$

5



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

9



7

$$\tan 135^\circ = \frac{-1}{1} = -1$$

$$\tan 15^\circ = \frac{1}{\sqrt{3}}$$

$$\cot 135^\circ = 1, \cot 45^\circ = 1$$

$$\sin 135^\circ = \frac{\sqrt{2}}{2}, \sin 45^\circ = \frac{\sqrt{2}}{2}$$

$$\cos 135^\circ = -\frac{\sqrt{2}}{2}, \cos 45^\circ = \frac{\sqrt{2}}{2}$$

8

$$\frac{2\pi}{3} = 120^\circ, \cos 120^\circ = -\frac{1}{2}, \frac{1}{2} = \sin 30^\circ, 150^\circ \rightarrow \sin \frac{\pi}{6}, \frac{5\pi}{6}$$

9

$$\frac{11\pi}{6} = 330^\circ, \cos 330^\circ = \frac{\sqrt{3}}{2}, -\frac{\sqrt{3}}{2} = \sin 210^\circ, 30^\circ \rightarrow \sin \frac{\pi}{6}, \frac{5\pi}{6}$$

$$\frac{\sqrt{2}}{2} = 45^\circ \rightarrow \cot 45^\circ = 1 = \cos 90^\circ$$

10

$$\cos 15^\circ = \frac{\sqrt{3}}{2} \rightarrow \frac{\sqrt{3}}{2} = \sin 60^\circ, 30^\circ$$

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