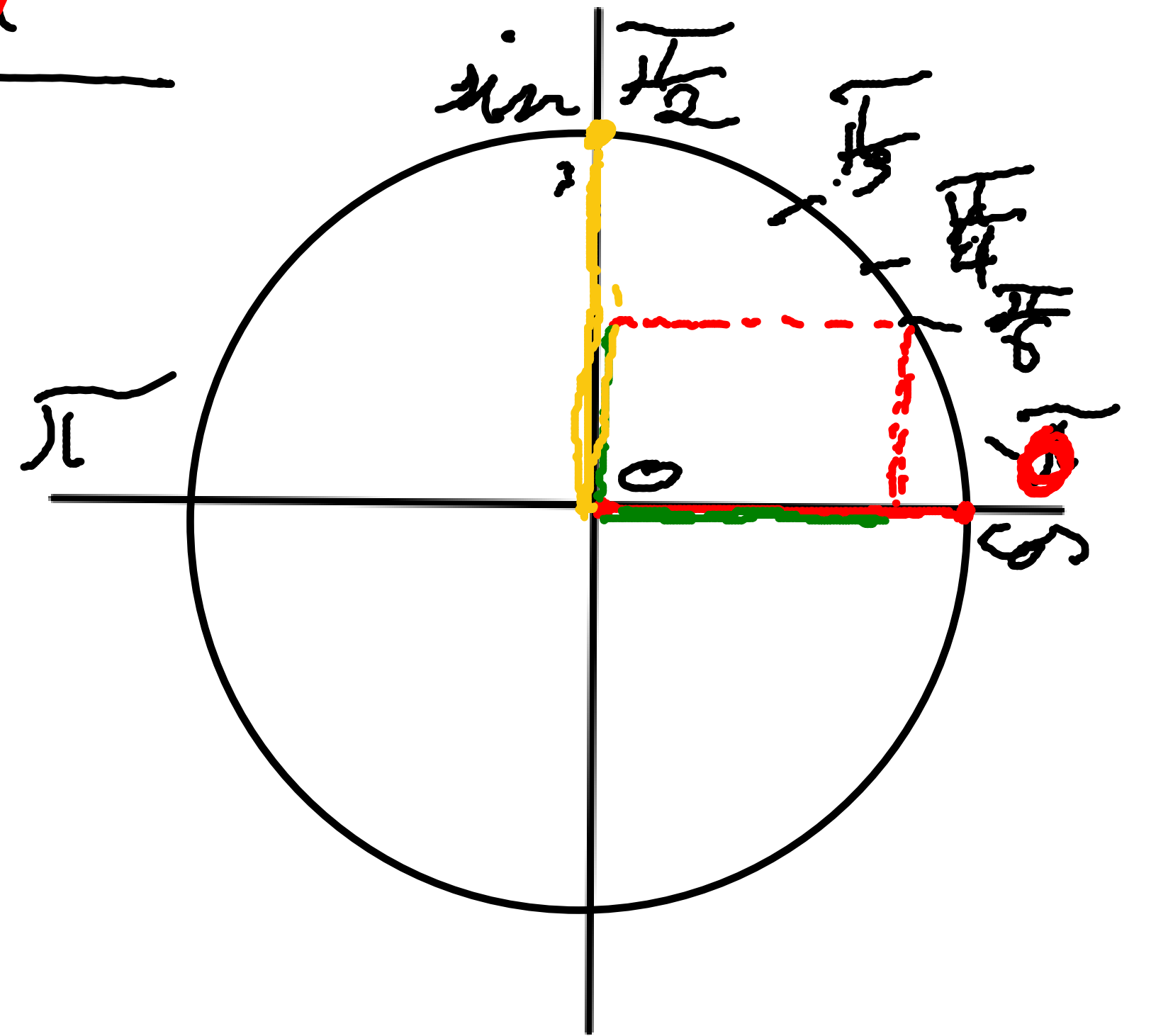
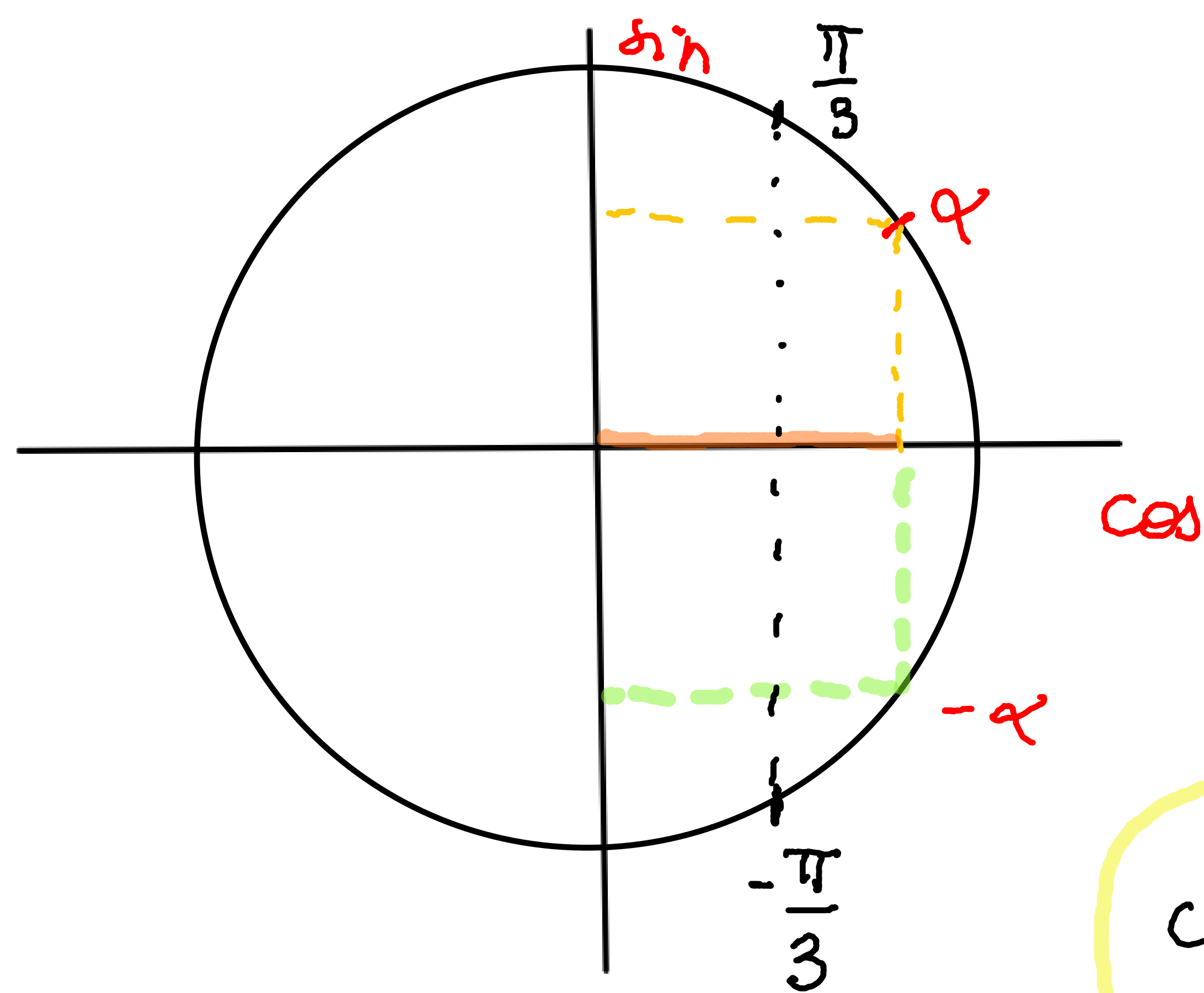


	0	$\frac{\pi}{6}$	$\frac{\pi}{2}$	$\frac{\pi}{3}$	$\frac{\pi}{4}$	π
cos	1	$\frac{\sqrt{3}}{2}$	0	$\frac{1}{2}$	$\frac{\sqrt{2}}{2}$	-1
sin	0	$\frac{1}{2}$	1	$\frac{\sqrt{3}}{2}$	$\frac{\sqrt{2}}{2}$	0





$$\cos x = \frac{1}{2}$$

$$\cos x = \cos\left(\frac{\pi}{3}\right)$$

$$x = \frac{\pi}{3} + 2\pi \times k$$

$$x = -\frac{\pi}{3} + 2\pi \times k$$

$$k \in \mathbb{Z}$$

$$\cos x = \cos \alpha$$



$$x = \alpha + 2\pi \times k$$

$$x = -\alpha + 2\pi \times k$$

Achivie 9

$$\cos x = -\frac{1}{2}$$

$$\cos x = \cos\left(-\frac{2\pi}{3}\right)$$

$$x = \alpha + 2\pi \times k$$

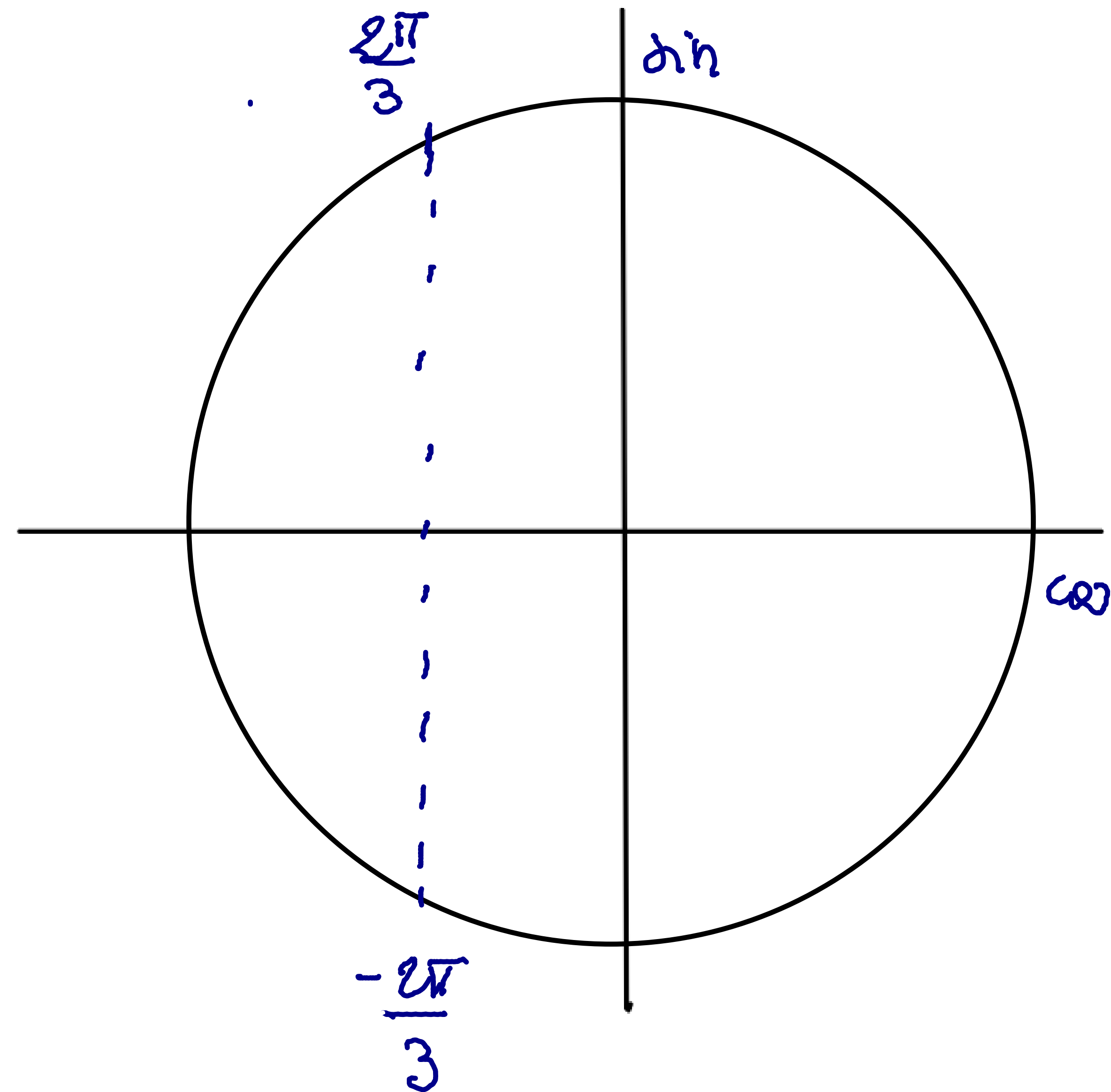
$$x = -\frac{2\pi}{3} + 2\pi \times k$$

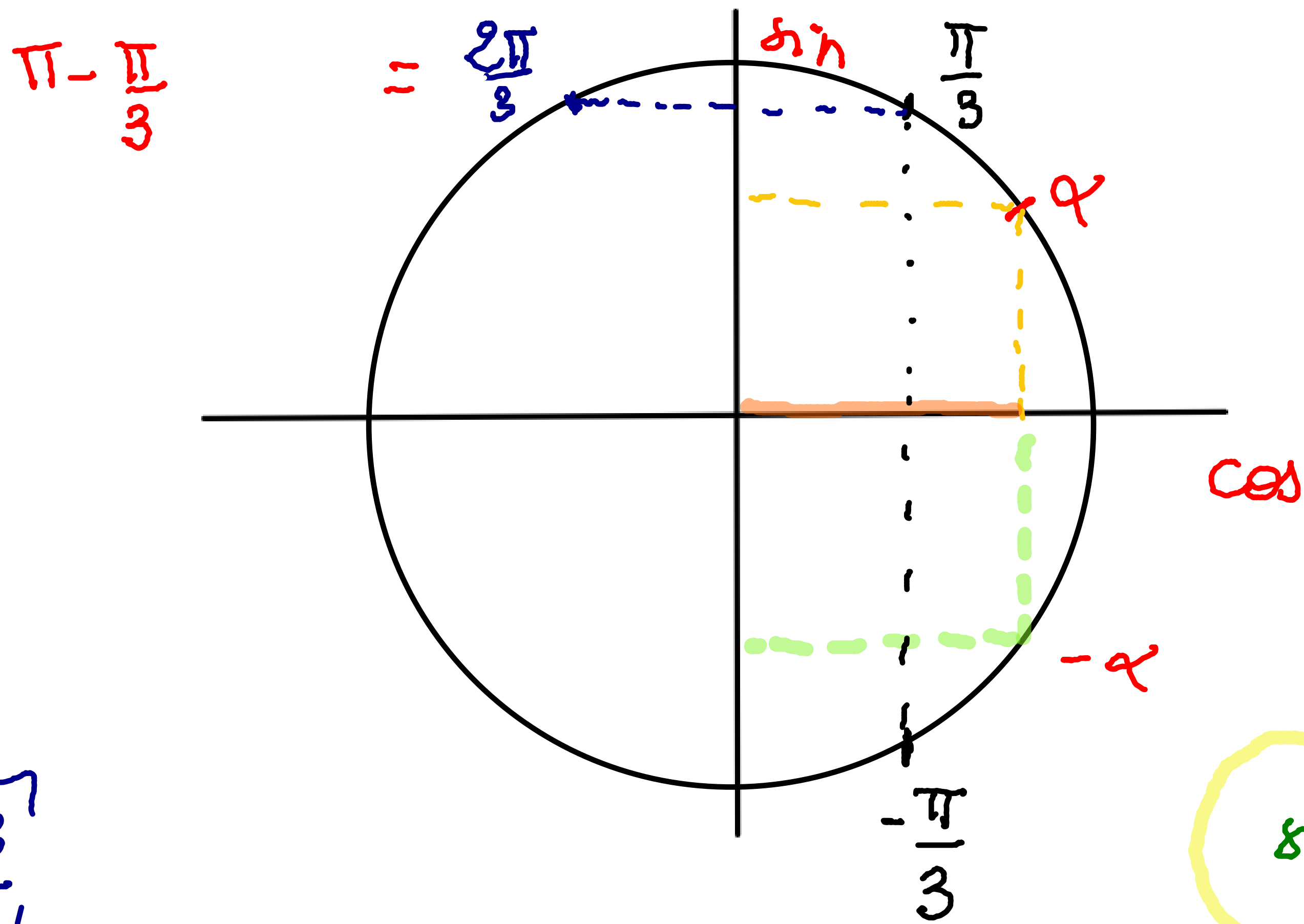
$$x = -\alpha + 2\pi \times k$$

$$x = -\left(-\frac{2\pi}{3}\right) + 2\pi \times k$$

$$x = \frac{2\pi}{3} + 2\pi \times k$$

$k \in \mathbb{Z}$





$$\sin \alpha = \frac{\sqrt{3}}{2}$$

$$\sin \alpha = \sin \frac{\pi}{3} \Rightarrow \begin{cases} \alpha = \frac{\pi}{3} + 2\pi \times k \\ \alpha = \frac{2\pi}{3} + 2\pi \times k \\ \alpha = \pi - \frac{\pi}{3} + 2\pi \times k \end{cases} \quad k \in \mathbb{Z}$$

$$\sin \alpha = \sin \alpha$$



$$\alpha = \alpha + 2\pi \times k$$

$$\alpha = \pi - \alpha + 2\pi \times k$$

Achivšē 9

$$\sin x = -\frac{1}{2}$$

$$\sin x = \sin\left(-\frac{5\pi}{6}\right)$$

$$x = \alpha + 2\pi k$$

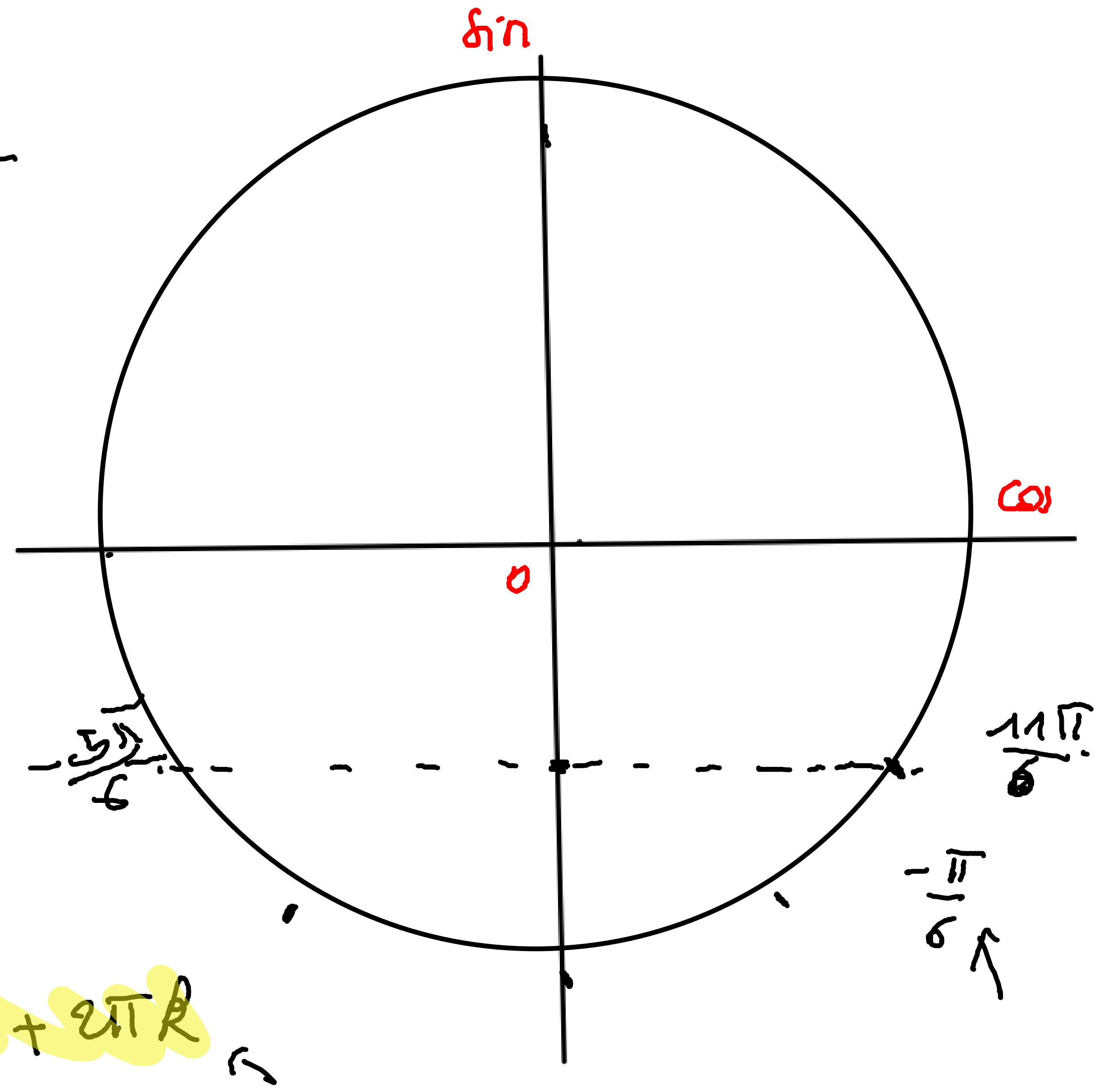
$$x = -\frac{5\pi}{6} + 2\pi k$$

$$x = \pi - \alpha + 2\pi k$$

$$x = \pi - \left(-\frac{5\pi}{6}\right) + 2\pi k$$

$$\frac{\pi + 5\pi}{6}$$

$$\frac{6\pi + 5\pi}{6} = \frac{11\pi}{6}$$



$$x = \frac{11\pi}{6} + 2\pi k$$