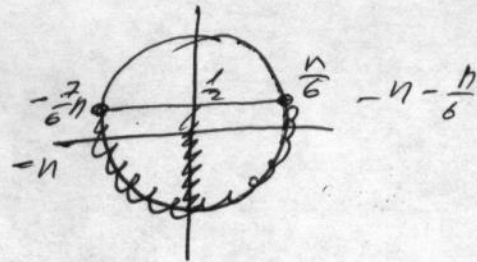


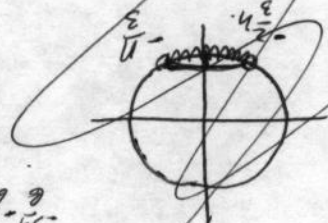
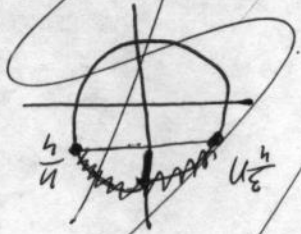
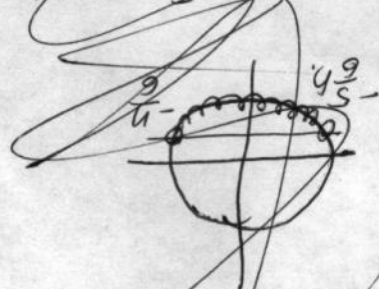
$$\sin x \leq \frac{1}{2}$$

$$-\frac{7}{6}n\pi \leq x \leq \frac{n}{6} + 2n\pi$$

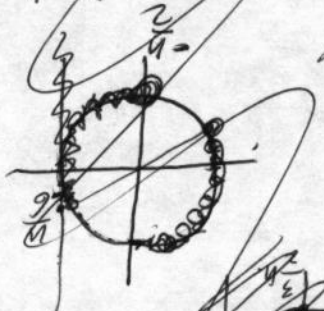
$$-\frac{7}{6}n + 2n \leq x \leq \frac{n}{6} + 2n, n \in \mathbb{Z}$$



$$\begin{aligned} \frac{4\pi}{6} - \frac{8\pi}{12} &= \frac{8\pi}{12} - \frac{8\pi}{12} = 0 \\ \frac{4\pi}{6} - \frac{8\pi}{12} &= \frac{8\pi}{12} - \frac{8\pi}{12} = 0 \\ \frac{4\pi}{6} - \frac{8\pi}{12} &= \frac{8\pi}{12} - \frac{8\pi}{12} = 0 \end{aligned}$$



$$\begin{aligned} \frac{3\pi}{2} - \frac{5\pi}{2} &= -\pi \\ \frac{3\pi}{2} - \frac{5\pi}{2} &= -\pi \\ \frac{3\pi}{2} - \frac{5\pi}{2} &= -\pi \end{aligned}$$



sin x

$$\begin{aligned} \cos \frac{\pi}{6} \cos x - \sin \frac{\pi}{6} \sin x &< -\frac{\sqrt{3}}{2} \\ \cos \left(\frac{\pi}{6} + x \right) &< -\frac{\sqrt{3}}{2} \end{aligned}$$

$$\frac{3}{4}n + 2n \leq x \leq \frac{4}{3}n + 2n, n \in \mathbb{Z}$$

$$\frac{3}{4}n + 2n < x < \frac{5}{4}n + 2n, n \in \mathbb{Z}$$

$$\begin{aligned} \frac{3}{4}n + 2n < x < \frac{5}{4}n + 2n, n \in \mathbb{Z} \\ \frac{3}{4}n + 2n < x < \frac{5}{4}n + 2n, n \in \mathbb{Z} \\ \frac{3}{4}n + 2n < x < \frac{5}{4}n + 2n, n \in \mathbb{Z} \end{aligned}$$

$$\begin{aligned} \frac{3}{4}n + 2n < x < \frac{5}{4}n + 2n, n \in \mathbb{Z} \\ \frac{3}{4}n + 2n < x < \frac{5}{4}n + 2n, n \in \mathbb{Z} \\ \frac{3}{4}n + 2n < x < \frac{5}{4}n + 2n, n \in \mathbb{Z} \end{aligned}$$

$$\frac{3}{4}n + 2n < x < \frac{5}{4}n + 2n, n \in \mathbb{Z}$$