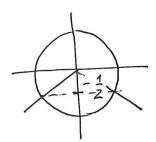
Cricery 5

1.

$$X_1 = \frac{7\pi}{6}$$
 $X_2 = \frac{11\pi}{6}$



2.

$$X \in \left(\frac{7\sqrt{1}}{6}; \frac{41\sqrt{1}}{6}\right)$$

3.

$$X \in \left\langle \frac{\mathbb{I}}{6}, \frac{\mathbb{I}}{2} \right\rangle \cup \left\langle \frac{7\mathbb{I}}{6}, \frac{3\mathbb{I}}{2} \right\rangle$$

$$X \in \left(\frac{11}{3}, \frac{31}{4}\right) \cup \left(\frac{51}{4}, \frac{51}{3}\right)$$

$$X \in \left(\frac{1}{2}, \frac{5}{6}\right)$$

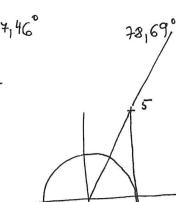
• $X = -\frac{11\pi}{6}, -\frac{\pi}{6}, \frac{\pi}{6}, \frac{\pi}{6}, \frac{11\pi}{6}, \frac{13\pi}{6}$



$$X_1 = 194,46^{\circ} + k.360^{\circ}$$

 $X_2 = 342,54^{\circ} + k.360^{\circ}$
 $k \in 2$

, 17,46°

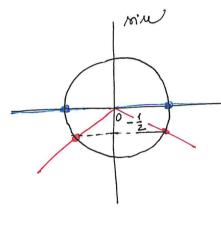


neexistujo

•
$$2 \cdot \sin^2 x + \sin x = 0$$

 $\sin x \left(2 \sin x + 1 \right) = 0 \iff$

$$\sin x = 0 \quad \forall \quad \sin x = -\frac{1}{2}$$



$$X_2 = \frac{7\pi}{6} + 2k\pi \quad k \in \mathbb{Z}$$

 $X_3 = \frac{M\pi}{6} + 2k\pi$

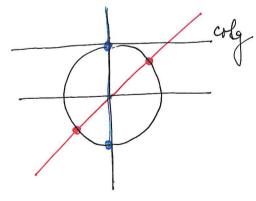
$$X_3 = \frac{M\pi}{6} + 26\pi$$

$$colg^2 x - colg x = 0$$

$$\operatorname{colg} \times (\operatorname{colg} \times -1) = 0 \iff$$

$$colg x = 0 \lor colg x = 1$$

$$X_1 = \frac{1}{4} + k.T$$
 $K \in \mathbb{Z}$
 $X_2 = \frac{1}{2} + k.T$
 $K \in \mathbb{Z}$



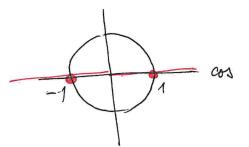
$$\cos^2 x = 1$$

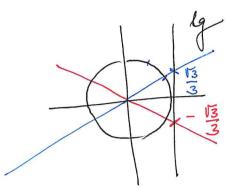
$$\cos x = \pm 1$$

•
$$lg^2 x = \frac{1}{3}$$
 ->
$$lg x = \pm \frac{1}{\sqrt{3}} = \pm \frac{\sqrt{3}}{3}$$

$$X_1 = \frac{11}{6} + k \cdot 11$$

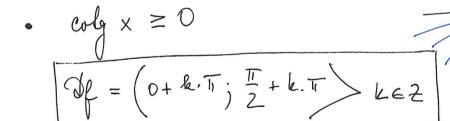
 $X_2 = \frac{511}{6} + k \cdot 11$
 $k \in \mathbb{Z}$

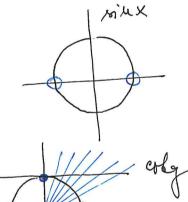


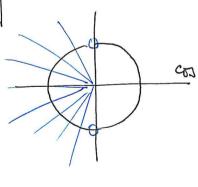


4.
$$sin x \neq 0 \rightarrow x \neq$$

$$Df = R - \{k, T; k \in 2\}$$







$$\begin{array}{c} \cos x < 0 \\ \hline x \in \left(\frac{11}{2} + 2k \right) & \frac{311}{2} + 2k \end{array}$$

