

Exemplos

$$\cos x + 3 \operatorname{sen} x = 1$$

$$\begin{cases} t + 3s = 1 \\ t^2 + s^2 = 1 \end{cases}$$

$\vdots$

$$\begin{cases} t = 1 - 3s \\ s(5s - 3) = 0 \end{cases}$$

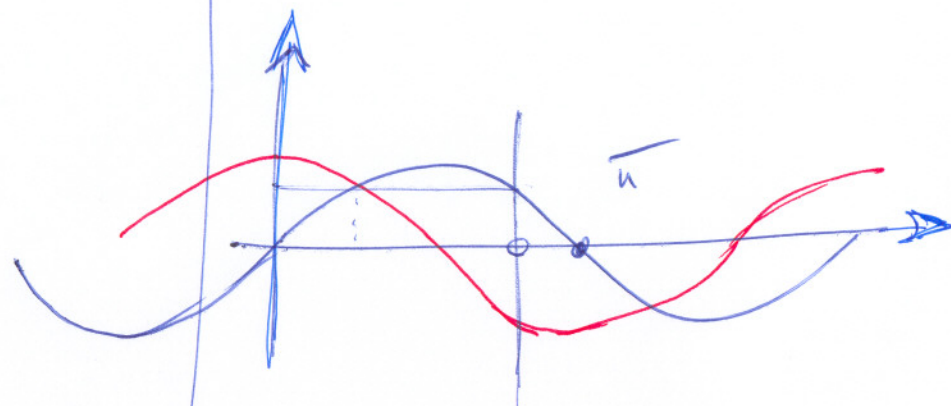
$$s_1 = 0 \quad t_1 = 1$$

$$s_2 = 3/5 \quad t_2 = -4/5$$

$$\operatorname{sen} x = 0 \quad \cos x = 1 \rightarrow x = 2k\pi$$

$$\operatorname{sen} x = 3/5 \quad \cos x = -4/5$$

$$\begin{cases} x = \arcsin 3/5 & \text{No} \\ x = \pi - \arcsin 3/5 & \text{Si} \end{cases}$$



$$\pi - \arcsin \frac{3}{5} + 2k\pi \quad k \in \mathbb{Z}$$