

ESEMPIO

$$3 \operatorname{tg}^2 x - 1 \geq 0$$

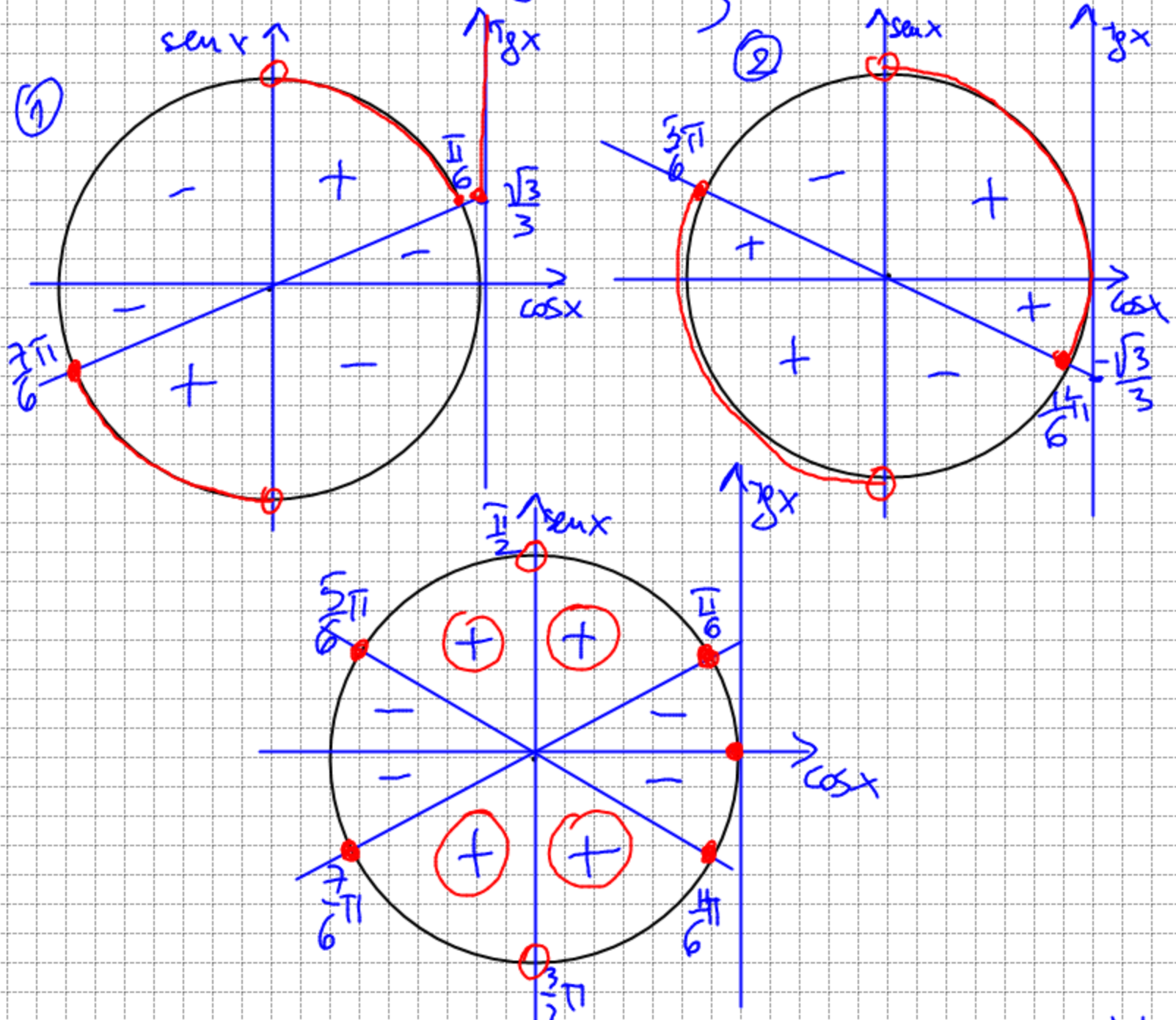
$$(\sqrt{3} \operatorname{tg} x - 1)(\sqrt{3} \operatorname{tg} x + 1) \geq 0$$

$$\sqrt{3} \operatorname{tg} x - 1 \geq 0$$

$$\operatorname{tg} x \geq \frac{\sqrt{3}}{3} \quad (1)$$

$$\sqrt{3} \operatorname{tg} x + 1 \geq 0$$

$$\operatorname{tg} x \geq -\frac{\sqrt{3}}{3} \quad (2)$$



$$S : \frac{\pi}{6} + k\pi \leq x \leq \frac{5\pi}{6} + k\pi \cup x \neq \frac{\pi}{2} + k\pi \quad k \in \mathbb{N}$$