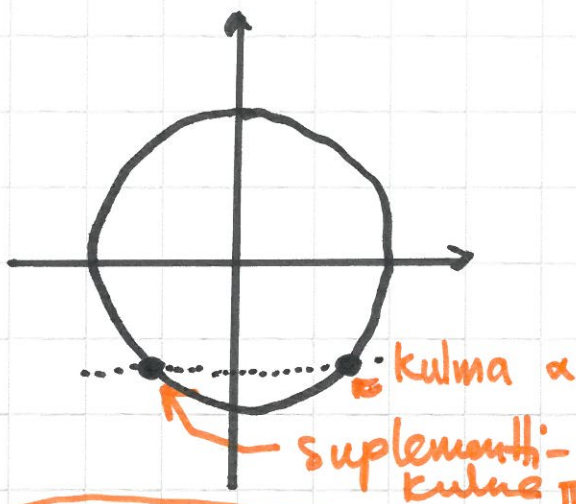


SINIYHTÄLÖ

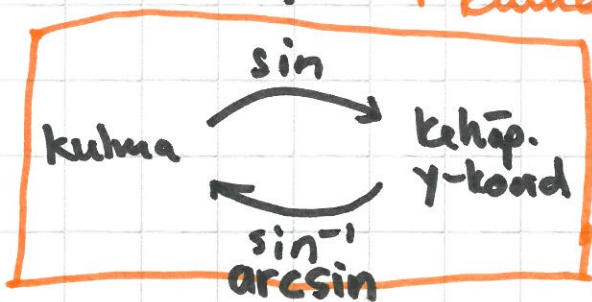


$$4 \sin x + 3 = 0$$

$$4 \sin x = -3$$

$$\sin x = -\frac{3}{4}$$

→ pitää löytää kaikki kulmat x , joiden kehäpisteen y -koordinaatti on $-0,75$



laskimella saadaan (RAD)

$$\sin^{-1}(-0,75) \approx -0,8480$$

supplementtikulma

$$\pi - (-0,8480) \approx 3,99$$

VASTAUS: $x = -0,85 + n2\pi$ tai $x = 3,99 + n2\pi$

$\sin \alpha = a \quad \rightarrow$ etsi joku kulma α_0

$\alpha = \alpha_0 + n2\pi$ tai $\alpha = \pi - \alpha_0 + n2\pi$

HUOM: $\sin 3x = a$

$3x = \alpha_0 + n2\pi$ tai $3x = \pi - \alpha_0 + n2\pi$ | :3

ESIM 2

Sarja I

- 5.1
- 5.3
- 5.4
- 5.5
- 5.6

Sarja II

5.11 →