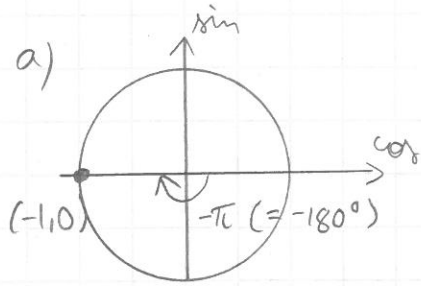


Esim. Määritä ilman laskinta $\sin x$ ja $\cos x$ kun x on

a) $-\pi$, b) 1350° .

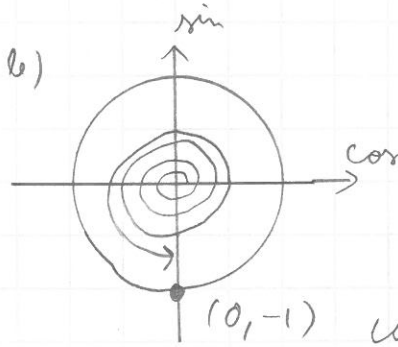
Ratk. a)



$$\cos(-\pi) = -1$$

$$\sin(-\pi) = 0$$

b)

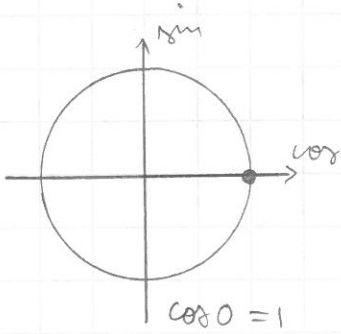


$$1350^\circ = 3 \cdot 360^\circ + 270^\circ$$

$$\cos 1350^\circ = 0$$

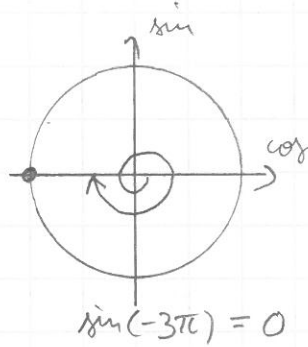
$$\sin 1350^\circ = -1$$

2.4 a)



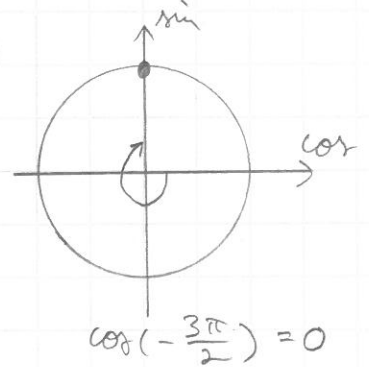
$$\cos 0 = 1$$

b)



$$\sin(-3\pi) = 0$$

c)



$$\cos\left(-\frac{3\pi}{2}\right) = 0$$

2.11 a) $\cos\left(5 \cos \frac{\pi}{5}\right) = \underline{\underline{-0,619}}$

b) $\sin\left(\underbrace{2 \cos 43^\circ}_{0,73135} - \pi\right) = \sin(-1,678885)$