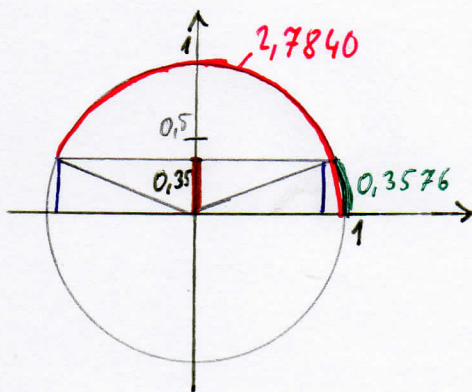


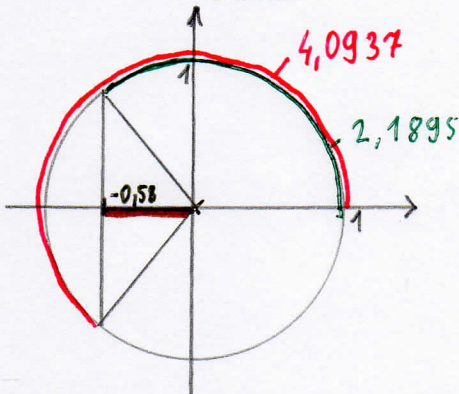
a)  $\sin(x) = \underline{0,35} \Rightarrow \arcsin(\sin(x)) = \arcsin(0,35)$



$$x_1 = \arcsin(0,35) = \underline{0,3576}$$

$$x_2 = \pi - 0,3576 = \underline{2,7840}$$

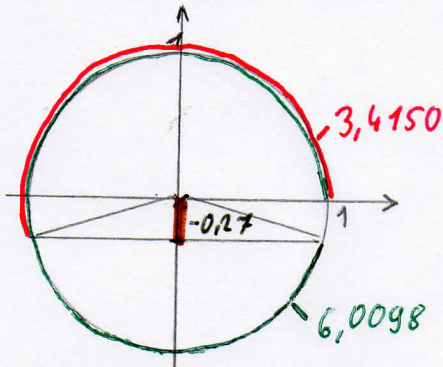
b)  $\cos(x) = \underline{-0,58} \Rightarrow \arccos(\cos(x)) = \arccos(-0,58)$



$$x_1 = \arccos(-0,58) = \underline{2,1895}$$

$$x_2 = 2\pi - 2,1895 = \underline{4,0937}$$

c)  $\sin(x) = \underline{-0,27} \Rightarrow \arcsin(\sin(x)) = \arcsin(-0,27)$



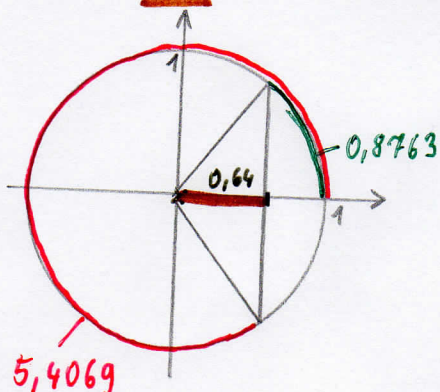
$$x_1 = \arcsin(-0,27) = -0,2734$$

da  $0 \leq x < 2\pi$  sein muss

$$\Rightarrow x_1 = 2\pi - 0,273 = \underline{6,0098}$$

$$x_2 = \pi + 0,2734 = \underline{3,4150}$$

d)  $\cos(x) = \underline{0,64} \Rightarrow \arccos(\cos(x)) = \arccos(0,64)$



$$x_1 = \arccos(0,64) = \underline{0,8763}$$

$$x_2 = 2\pi - 0,8763 = \underline{5,4069}$$