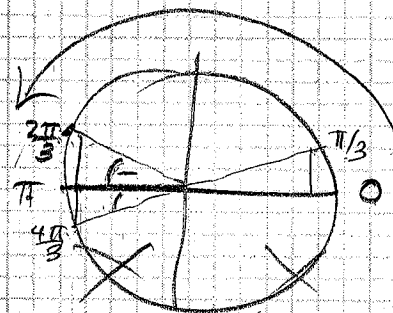
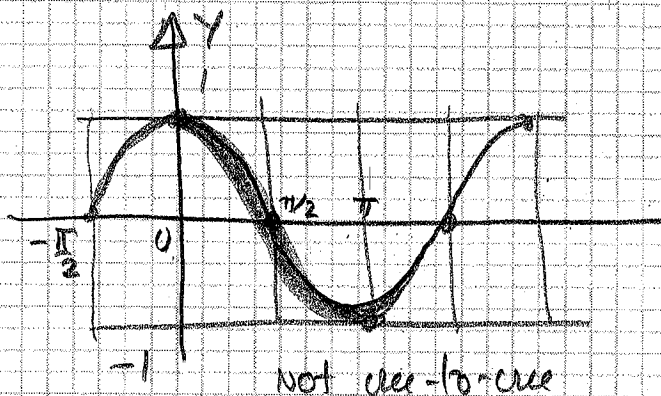


THE INVERSE COSINE FUNCTION



$\cos^{-1}(\cos(x)) = x$	if $0 \leq x \leq \pi$
$\cos(\cos^{-1}(x)) = x$	if $-1 \leq x \leq 1$

Ex: $\cos^{-1}(\cos(\pi/3)) = \pi/3$? Yes.

Ex: $\cos^{-1}(\cos(4\pi/3)) = 4\pi/3$? No

$\cos(4\pi/3) = \cos(2\pi/3)$

$\therefore \cos^{-1}(\cos(2\pi/3)) = 2\pi/3$