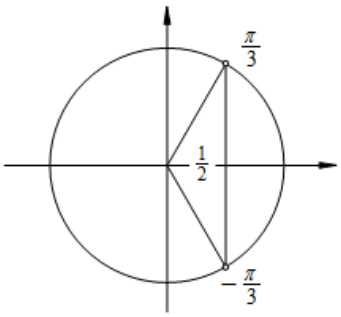
3. $2\cos\left(4x-\frac{\pi}{2}\right)=1 \qquad /:2$

$\cos\left(4x-\frac{\pi}{2}\right)=\frac{1}{2}$

$4x-\frac{\pi}{2}=t$

$\cos t=\frac{1}{2}$



$t=\frac{\pi}{3}+2k\pi$ $\qquad$ $t=-\frac{\pi}{3}+2k\pi$

$t=4x-\frac{\pi}{2}$

$4x-\frac{\pi}{2}=\frac{\pi}{3}+2k\pi$ $\qquad$ $4x-\frac{\pi}{2}=-\frac{\pi}{3}+2k\pi$

$4x=\frac{\pi}{3}+\frac{\pi}{2}+2k\pi$ $\qquad$ $4x=\frac{\pi}{2}-\frac{\pi}{3}+2k\pi$

$4x=\frac{5\pi}{6}+2k\pi \quad /\cdot\frac{1}{4}$ $\qquad$ $4x=\frac{\pi}{6}+2k\pi \quad /\cdot\frac{1}{4}$

$x_1=\frac{5\pi}{24}+\frac{k\pi}{2}$ $\qquad$ $x_2=\frac{\pi}{24}+\frac{k\pi}{2}$

Za one kojima nije dovoljno jasan postupak tu je i video uputa >>>