

Solve. 17) $2\sin^2(2x) = 1$ 11) $2\cos x + 1 = 0$ Sin²(2x)= 1/2 2005x=-1 | sin (2x) = 1 $x = \cos^{-1}\left(\frac{1}{z}\right)$ $Sin(2x) = \pm \frac{1}{\sqrt{2}}$ Zx= sin (+ JE)

Find all solutions of the equation in the interval
$$[0,2\pi)$$
.
25) $\cos^3 x = \cos x$
 $\cos^3 x - \cos x = 0$
 $\cos x (\cos^2 x - 1) = 0$
 $\cos x = 0$ or $\cos x = [1]$
 $x = \cos^5(6)$ $\cos x = 1$
 $x = \cos^{-1}(\pm 1)$
 $\left\{0, \frac{\pi}{2}, \pi, \frac{3\pi}{2}\right\}$ $O + \pi n_2 n \in \mathbb{Z}$

