

3. 2.

(8)

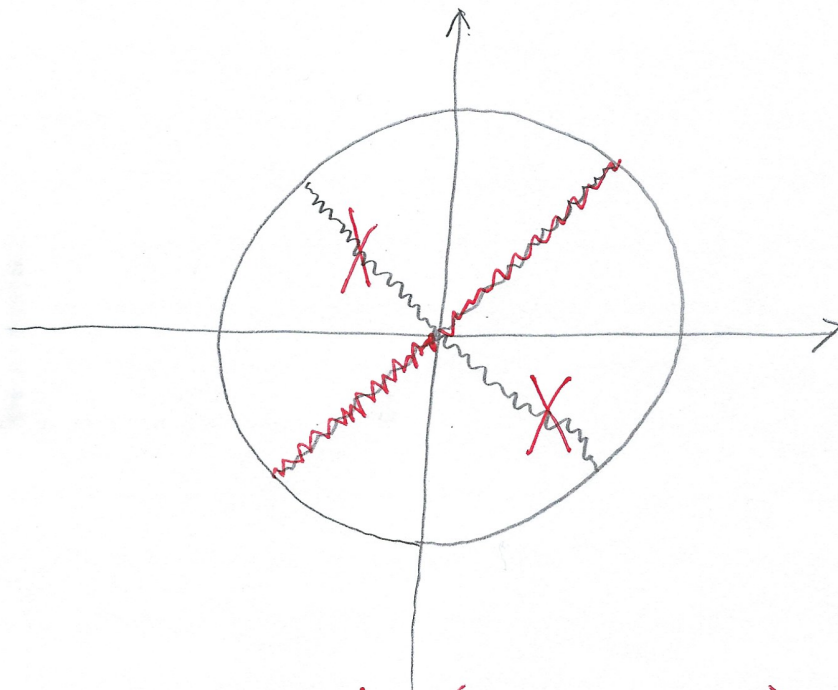
$$\cos(2x) - \sin(2x) = 0$$

$$[0, 2\pi]$$

$$0 \leq x \leq 2\pi$$

→

$$0 \leq 2x \leq 4\pi$$



$$2x = \frac{\pi}{4}, \quad \frac{3\pi}{4}, \quad \frac{5\pi}{4}, \quad \frac{7\pi}{4},$$

$$\frac{9\pi}{4}, \quad \frac{11\pi}{4}, \quad \frac{13\pi}{4}, \quad \frac{15\pi}{4}$$

→

$$x = \frac{\pi}{8}, \quad \frac{3\pi}{8}, \quad \frac{5\pi}{8}, \quad \frac{7\pi}{8},$$

$$\frac{9\pi}{8}, \quad \frac{11\pi}{8}, \quad \frac{13\pi}{8}, \quad \frac{15\pi}{8}$$