

$$|\cos x| = \sin 3x - 1$$

$$\cos x = 0$$

$$\sin 3x = 1$$

$$x = \pi/6 + 2\pi k$$

$$x = \pi/2 + \pi h \quad \Longleftrightarrow \quad 3\pi/2 - 2\pi t$$

$$\pi/6 + 2\pi k = \pi/2 + \pi h$$

$$1 + 4k = 3 + 6h$$

$$6h - 4k = -2$$

$$3h - 2k = -1$$

$$h_0 = 1 \Rightarrow h = 1 - 2t$$

$$k_0 = 2 \Rightarrow k = 2 - 3t$$

Ответ: $3\pi/2 - 2\pi t$