

$$\sin^8 x - \cos^5 x = 1$$

$$1 \geq \sin^8 x \geq 0$$

$$1 \geq \cos^5 x \geq -1$$

$$\sin x = 1$$

$$\cos x = 0$$

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

$$x = \pi/2 + \pi n$$

$$\frac{1}{2} + 2k = \frac{1}{2} + n$$

$$2k - n = 0$$

$$2k = n$$

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

$$\sin x = -1$$

$$\cos x = 0$$

$$x = 3\pi/2 + 2\pi k$$

$$x = \pi/2 + \pi n$$

$$3/2 + 2k = \frac{1}{2} + n$$

$$2k - n = -1$$

$$n - 2k = 1$$

$$n_0 = 1$$

$$k_0 = 0$$

$$n = 1 - 2t$$

$$k = -t$$

прверка

$$1 - 2t + 2t = 1$$

$$x = 3\pi/2 - 2\pi t$$

$$\cos x = -1$$

$$\sin x = 0$$

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

$$x = \pi n$$

$$\pi + 2\pi k = \pi n$$

$$1 + 2k = n$$

$$2k - n = -1$$

$$n - 2k = 1$$

$$n_0 = 1$$

$$k_0 = 0$$

$$n = 1 - 2t$$

$$k = -t$$

прверка

$$1 - 2t + 2t = 1$$

Ответ:  $\pi - 2\pi t; \pi/2 + \pi 2k; 3\pi/2 - 2\pi t$

Ответ:  $\pi - 2\pi t; \pi/2 + \pi n$