

ТРИГОНОМЕТРИЧЕСКИЕ УРАВНЕНИЯ (№3)

$$1) 9 \cdot 3^{\sin x} + 2 \cdot 3^{-\sin x} = 6\sqrt{3} \quad \left[-\frac{13\pi}{6}; -\frac{\pi}{6} \right]$$

$$2) \left| \cos x - \frac{1}{2} \right| = \sin x - \frac{1}{2}$$

$$3) \cos 2x + 8 \sin x = 3 \quad [-2\pi; \pi]$$

$$4) \cos \frac{x}{2} = 1 + \cos x \quad \left[-\frac{\pi}{2}; \frac{\pi}{2} \right]$$

$$5) \sin x + \sin 3x = \sqrt{3} \sin 2x$$