

$$\sqrt{1-\cos 2x} / \sin x = \sqrt{2}(\cos x - 1/2)$$

$$\sqrt{2\sin^2 x} / \sin x = \sqrt{2}(\cos x - 1/2)$$

$$\sqrt{\sin^2 x} / \sin x = (\cos x - 1/2)$$

$$|\sin x| / \sin x = (\cos x - 1/2)$$

$$\sin x > 0$$

$$\cos x = 1 + 1/2 - \text{нет решений}$$

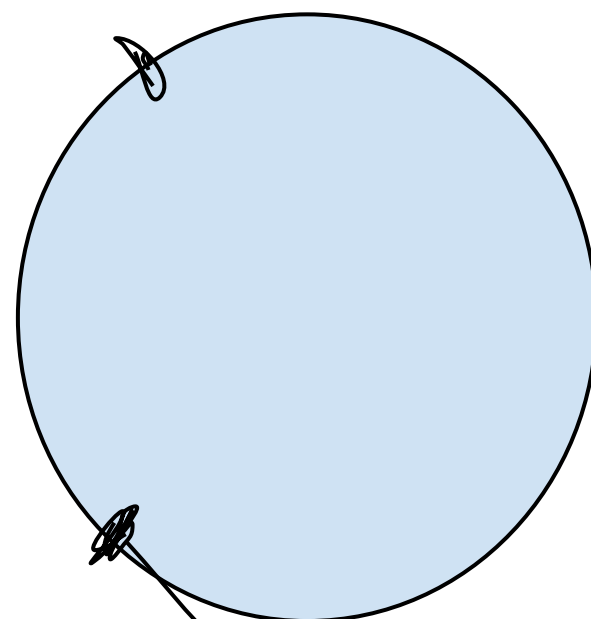
$$\sin x < 0$$

$$-\sin x / \sin x = \cos x - 1/2$$

$$-1/2 = \cos x$$

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

$$\text{ОТВЕТ } x = -2\pi/3 + 2\pi k$$



невозможно