

Решение простейших тригонометрических уравнений.

1. Решите уравнения

1.	$\cos t = \frac{\sqrt{3}}{2}.$	2.	$\cos t = -\frac{\sqrt{2}}{2}.$
3.	$\cos t = 2,04.$	4.	$\frac{8 \cos t - 3}{3 \cos t + 2} = 1;$
5.	$\sin t = 1;$	6.	$\sin t = -\frac{\sqrt{2}}{2};$
7.	$\sin t = -\frac{1}{7};$	8.	$(2 \cos x + 1)(2 \sin x - \sqrt{3}) = 0;$
9.	$2 \cos x - 3 \sin x \cos x = 0;$	10.	$\operatorname{tg} x = \frac{\sqrt{3}}{3}.$
11.	$\operatorname{ctg} x = -\frac{\sqrt{3}}{3}.$	12.	$\sin 2x = \frac{\sqrt{2}}{2};$
13.	$\sin \left(-\frac{x}{3} \right) = \frac{\sqrt{2}}{2};$	14.	$2 \sin \left(3x - \frac{\pi}{4} \right) = -\sqrt{2};$
15.	$\sqrt{3} \operatorname{tg} \left(\frac{x}{3} + \frac{\pi}{6} \right) = 3;$	16.	$2 \sin \left(\frac{\pi}{3} - \frac{x}{4} \right) = \sqrt{3};$