

## Тригонометрические уравнения

<b>1 вариант</b>	<b>2 вариант</b>
$2\sin^2 x - 5\sin x - 7 = 0$	$3\sin^2 x - 7\sin x + 4 = 0$
$4\sin^2 x - 11\cos x - 11 = 0$	$3\sin^2 x + 10\cos x - 10 = 0$
$3\sin^2 x + 11\sin x \cos x + 6\cos^2 x = 0$	$2\sin^2 x + 5\sin x \cos x + 2\cos^2 x = 0$
$5 \operatorname{tg} x - 6\operatorname{ctg} x + 13 = 0$	$4 \operatorname{tg} x - 9\operatorname{ctg} x + 9 = 0$
$\sin^2 x + 2\sin 2x = 5\cos^2 x$	$\sin 2x - 22\cos^2 x + 10 = 0$
$8\sin^2 x + 7\sin 2x + 3\cos 2x + 3 = 0$	$2\sin^2 x - 10\cos 2x = 9\sin 2x + 10$
$(1 - \cos 2x)(\operatorname{ctg}(-2x) + \sqrt{3}) = 0.$	$(\sin x + 1)(\operatorname{ctg}(-2x) - \sqrt{3}) = 0.$