	Найдите значение выражения/Сравните(1 балл)			**Найдите значение выражения (2 балла)**	
1	$-3\cos(-1500^0)$	-1,5		$(tg\frac{\pi}{4}-ctg\frac{\pi}{3})\cdot(ctg\frac{\pi}{4}+tg\frac{\pi}{6})$	2/3
2	$\cos\pi+3ctg\frac{\pi}{4}$	2		$\frac{\left(\sin^2(-\frac{\pi}{4})+\cos 1{,}5\pi\right)\cdot tg\frac{\pi}{3}}{ctg\frac{\pi}{6}-ctg0{,}5\pi}$	$\frac{1}{2}$
3	$5\sin 2970^0$	5		$\frac{3-\cos^2(-\frac{\pi}{3})-\sin^2(-\frac{\pi}{3})}{2\cos(-\frac{\pi}{4})}$	$\sqrt{2}$
4	$8\sin(-2550^0)$	-4		$\cos(-60^0)+\sin(-30^0)+3ctg^2(-45^\circ)$	3
5	$4\sqrt{3}\cos(-2190^0)$	6		$tg^2(-\frac{\pi}{3})-3\sin(-\frac{\pi}{6})-2\cos 0$	2,5
6	$3\cos(-420^0)$	1,5		$4\cos(-60^0)-4\sin^2(-30^0)+5ctg(-45^\circ)$	-4
7	$\sin\pi\ u\ ctg\frac{\pi}{6}$	<		$\sin^2\frac{\pi}{4}-tg\frac{\pi}{3}-\cos\frac{\pi}{3}+ctg\frac{\pi}{6}$	0
8	$ctg\frac{3\pi}{2}\ u\ \sin\frac{\pi}{6}$	<		$\cos\frac{\pi}{3}+2\sin\frac{\pi}{6}+\text{tg}^2 60^\circ-\text{ctg}\,45^\circ$	3,5
9	$3tg\frac{\pi}{6}\cdot ctg(-60^\circ)$	-1		$\cos^2 30^0-8\sqrt{3}\sin^2 30^0 tg60^0\cos 60^0$	-2,25
10	$\cos 2\pi+3tg\pi$	1		$3tg\frac{\pi}{4}-\sin^2(-\frac{\pi}{3})+\cos^2(-\frac{\pi}{6})$	3
11	$2\sin\frac{\pi}{2}+3tg\frac{\pi}{4}$	5		$\sin^2\frac{\pi}{6}+\sin^2\frac{\pi}{3}-tg^2\frac{\pi}{3}$	-2
12	$tg(-\frac{\pi}{3})\ u\ cos\pi$	<		$\frac{\cos^2(-\frac{\pi}{4})+\sin^2(-\frac{\pi}{6})}{tg(-\frac{\pi}{4})-\cos(-\frac{\pi}{3})}$	-1/2
13	$3\sqrt{3}\sin(-1860^0)$	-4,5		$3tg^2\frac{\pi}{6}-\cos^2\frac{\pi}{3}-\cos^2\frac{\pi}{3}$	0,5
14	$tg(-\frac{\pi}{3})\ u\sin(-\frac{\pi}{2})$	<		$\frac{2+\cos^2(-\frac{\pi}{3})-\sin^2(-\frac{\pi}{6})}{2\cos(-\frac{\pi}{3})+\sin(-\frac{\pi}{6})}$	4
15	$2\sin 60^\circ+3tg60^\circ$	$4\sqrt{3}$		$3\sin 30^0-\sqrt{3}\sin 60^0 ctg45^0 tg30^0+0.5\sqrt{3}$	1,5
16	$3\sqrt{2}\sin(-1125^0)$	-3		$\cos\frac{\pi}{3}+2\sin\frac{\pi}{2}+4\cos\pi+\frac{1}{3}tg^2\frac{\pi}{3}$	-0,5
17	$6\sin\frac{3\pi}{2}+5tg45^\circ$	-1		$tg^2 45^\circ-\cos 30^\circ\cdot tg30^\circ$	0,5
18	$\sin\frac{\pi}{2}\ u\ ctg\frac{3\pi}{2}$	>		$-2tg^2 120^\circ+4\cos^2(-30^\circ)+tg\frac{\pi}{4}$	-2
19	$\sin\frac{\pi}{6}\ u\ \cos 2\pi$	<		$\frac{2tg\frac{\pi}{4}-\sin 1{,}5\pi}{(ctg\frac{\pi}{3}-tg2\pi)\cdot\cos\frac{\pi}{6}}$	6
20	$-3\sqrt{2}\sin(-1485^0)$	3		$5\sin(-\frac{\pi}{2})+4\cos 0+3\sin(-\frac{3\pi}{2})+\cos^2(\frac{\pi}{6})$	11/4
21	$3tg45^\circ-2\cos\frac{3\pi}{2}$	3		$2tg^2\frac{\pi}{3}-ctg^2\frac{\pi}{6}-\sin\frac{\pi}{6}\cos\frac{\pi}{3}$	11/4

22	$3\cos 180° + 5tg45°$	2		$3tg^2 30^\circ + tg\,60° + tg(-\frac{\pi}{4})$	$\sqrt{3}$
23	$8\sqrt{3}\sin(-3300^0)$	-12		$tg^2(-\frac{\pi}{3}) - 2\cos 0 - 6\sin(-\frac{\pi}{6})$	4
24	$-\sqrt{2}\cos(-2205^0)$	-1		$2\cos(-\pi) + ctg^2(-\frac{\pi}{6}) - 3\sin(-\frac{\pi}{6})$	2,5
25	$-3\sqrt{3}\sin(-2940^0)$	4,5		$\sin^2(-\frac{\pi}{4}) - ctg(-\frac{\pi}{4}) + 2\cos^3\pi$	-0,5
26	$-4\sqrt{3}\cos(-2910^0)$	-6		$5\cos 60^0 - 3\sin 30^0 tg45^0 ctg30^0 + 1.5\sqrt{3}$	2,5
27	$\sqrt{2}ctg(-\frac{3\pi}{2}) : \sin(-30°)$	0		$\sin^2(-\frac{\pi}{4}) - 3\cos(-\frac{\pi}{2}) - 6\sin 0$	0,5
28	$4\sqrt{3}\cos(-2190^0)$	6		$4\cos^2 60^0 ctg30^0 \sin 60^0 - \sin^2 60^0$	0,75
29	$4\cos(-1980^0)$	-4		$2\cos^2\frac{\pi}{6} - \sin^2\frac{\pi}{3} + tg\frac{\pi}{6}ctg\frac{\pi}{3}$	13/12
30	$2\sqrt{3}\sin\frac{\pi}{3} + tg(-45^\circ)$	2		$\sin\frac{\pi}{4}\cdot\cos\frac{\pi}{4} - \sin\frac{\pi}{3}\cos\frac{\pi}{6}$	-1/4