

α	$\frac{\pi}{6}$	$\frac{\pi}{4}$	$\frac{\pi}{3}$
	30°	45°	60°
$\sin \alpha$	$\frac{1}{2}$	$\frac{\sqrt{2}}{2}$	$\frac{\sqrt{3}}{2}$
$\cos \alpha$	$\frac{\sqrt{3}}{2}$	$\frac{\sqrt{2}}{2}$	$\frac{1}{2}$
$\operatorname{tg} \alpha$	$\frac{\sqrt{3}}{3}$	1	$\sqrt{3}$
$\operatorname{ctg} \alpha$	$\sqrt{3}$	1	$\frac{\sqrt{3}}{3}$

$$1) \left(2 \operatorname{tg} \frac{\pi}{6} - \operatorname{tg} \frac{\pi}{3} \right) : \cos \frac{\pi}{6} =$$

$$2) 2 \cos^2 \frac{\pi}{6} - \sin^2 \frac{\pi}{3} + \operatorname{tg} \frac{\pi}{6} \cdot \operatorname{ctg} \frac{\pi}{3} =$$