公式

1．三角比の値

	$0°$	$30°$	$45°$	$60°$	$90°$	$120°$	$135°$	$150°$	$180°$
$\sin\theta$	0	$\frac{1}{2}$	$\frac{1}{\sqrt{2}}$	$\frac{\sqrt{3}}{2}$	1	$\frac{\sqrt{3}}{2}$	$\frac{1}{\sqrt{2}}$	$\frac{1}{2}$	0
$\cos\theta$	1	$\frac{\sqrt{3}}{2}$	$\frac{1}{\sqrt{2}}$	$\frac{1}{2}$	0	$-\frac{1}{2}$	$-\frac{1}{\sqrt{2}}$	$-\frac{\sqrt{3}}{2}$	-1
$\tan\theta$	0	$\frac{1}{\sqrt{3}}$	1	$\sqrt{3}$	なし	$-\sqrt{3}$	-1	$-\frac{1}{\sqrt{3}}$	0

2．三角比の相互関係

$\sin^2\theta + \boxed{\cos^2\theta} = 1$

$1 + \tan^2\theta = \boxed{\frac{1}{\cos^2\theta}}$

$\tan\theta = \boxed{\frac{\sin\theta}{\cos\theta}}$

3．$(90° - \theta)$ の三角比

$\sin(90° - \theta) = \boxed{\cos\theta}$

$\cos(90° - \theta) = \boxed{\sin\theta}$

$\tan(90° - \theta) = \boxed{\frac{1}{\tan\theta}}$

4．$(180° - \theta)$ の三角比

$\sin(180° - \theta) = \boxed{\sin\theta}$

$\cos(180° - \theta) = \boxed{-\cos\theta}$

$\tan(180° - \theta) = \boxed{-\tan\theta}$