			
			
$\cot\frac{\pi}{6}$	$\operatorname{cosec}\pi$	-2	2
$\cot\frac{\pi}{3}$	$\operatorname{cosec}\frac{\pi}{4}$	-1	1
$\cot\frac{\pi}{2}$	$\operatorname{cosec}\frac{4\pi}{3}$	0	Undefined
$\cot\frac{5\pi}{4}$	$\operatorname{cosec}\frac{7\pi}{6}$	$\sqrt{2}$	$-\sqrt{2}$
$\sec\frac{\pi}{6}$	$\sec\frac{3\pi}{4}$	$\sqrt{3}$	$\frac{\sqrt{3}}{3}$
$\sec\frac{\pi}{3}$	$\sec\pi$	$\frac{2\sqrt{3}}{3}$	$-\frac{2\sqrt{3}}{3}$