

## 4.18 Principal Values of Inverse Trigonometric Functions

472.

$x$	0	$\frac{1}{2}$	$\frac{\sqrt{2}}{2}$	$\frac{\sqrt{3}}{2}$	1
$\arcsin x$	$0^\circ$	$30^\circ$	$45^\circ$	$60^\circ$	$90^\circ$
$\arccos x$	$90^\circ$	$60^\circ$	$45^\circ$	$30^\circ$	$0^\circ$
$x$	$-\frac{1}{2}$	$-\frac{\sqrt{2}}{2}$	$-\frac{\sqrt{3}}{2}$	-1	
$\arcsin x$	$-30^\circ$	$-45^\circ$	$-60^\circ$	$-90^\circ$	
$\arccos x$	$120^\circ$	$135^\circ$	$150^\circ$	$180^\circ$	

473.

$x$	0	$\frac{\sqrt{3}}{3}$	1	$\sqrt{3}$	$-\frac{\sqrt{3}}{3}$	-1	$-\sqrt{3}$
$\arctan x$	$0^\circ$	$30^\circ$	$45^\circ$	$60^\circ$	$-30^\circ$	$-45^\circ$	$-60^\circ$
$\operatorname{arccot} x$	$90^\circ$	$60^\circ$	$45^\circ$	$30^\circ$	$120^\circ$	$135^\circ$	$150^\circ$