

INVERSE TRIGONOMETRIC FUNCTIONS

TRIGON- OMETRIC FUNCTION	DOMAIN	CODOMAIN
$\text{Sin}^{-1}x$	$[-1,1]$	$[-\pi/2,\pi/2]$
$\text{Cos}^{-1}x$	$[-1,1]$	$[0,\pi]$
$\text{Tan}^{-1}x$	\mathbb{R}	$(-\pi/2,\pi/2)$
$\text{Cosec}^{-1}x$	$\mathbb{R}-(-1,1)$	$[-\pi/2,\pi/2]-\{0\}$
$\text{Sec}^{-1}x$	$\mathbb{R}-(-1,1)$	$[0,\pi]-\{\pi/2\}$
$\text{Cot}^{-1}x$	\mathbb{R}	$(0,\pi)$

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By ree_____123
cheatography.com/ree-123/

Not published yet.
Last updated 25th May, 2024.
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