

Name : _____

TRIGONOMETRIC RATIOS OF ALLIED ANGLES

α	Sin α	Cos α	Tan α	Cot α	Sec α	Cosec α
$-\theta$	$-\sin \theta$	$\cos \theta$	$-\tan \theta$	$-\cot \theta$	$\sec \theta$	$-\operatorname{cosec} \theta$
$\frac{\pi}{2} - \theta$	$\cos \theta$				$\operatorname{cosec} \theta$	$\sec \theta$
$\frac{\pi}{2} + \theta$	$\cos \theta$				$\operatorname{cosec} \theta$	$\sec \theta$
$\pi - \theta$	$\sin \theta$				$\sec \theta$	$\operatorname{cosec} \theta$
$\pi + \theta$	$-\sin \theta$				$\sec \theta$	$-\operatorname{cosec} \theta$
$\frac{3\pi}{2} - \theta$	$-\cos \theta$				$\operatorname{cosec} \theta$	$-\sec \theta$
$\frac{3\pi}{2} + \theta$	$-\cos \theta$				$\operatorname{cosec} \theta$	$-\sec \theta$
$2\pi - \theta$	$-\sin \theta$	$\cos \theta$	$-\tan \theta$	$-\cot \theta$	$\sec \theta$	$-\operatorname{cosec} \theta$
$2\pi + \theta$	$\sin \theta$	$\cos \theta$	$\tan \theta$	$\cot \theta$	$\sec \theta$	$\operatorname{cosec} \theta$

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