Function	Abbreviation	Description	Identities (using radians)
Sine	sin	$\frac{\text{opposite}}{\text{hypotenuse}}$	$\sin\theta \equiv \cos\left(\frac{\pi}{2}-\theta\right) \equiv \frac{1}{\csc\theta}$
Cosine	cos	$\frac{\text{adjacent}}{\text{hypotenuse}}$	$\cos\theta \equiv \sin\left(\frac{\pi}{2}-\theta\right) \equiv \frac{1}{\sec\theta}$
Tangent	tan (or tg)	$\frac{\text{opposite}}{\text{adjacent}}$	$\tan\theta \equiv \frac{\sin\theta}{\cos\theta} \equiv \cot\left(\frac{\pi}{2}-\theta\right) \equiv \frac{1}{\cot\theta}$
Cotangent	cot (or ctg or ctn)	$\frac{\text{adjacent}}{\text{opposite}}$	$\cot\theta \equiv \frac{\cos\theta}{\sin\theta} \equiv \tan\left(\frac{\pi}{2}-\theta\right) \equiv \frac{1}{\tan\theta}$
Secant	sec	$\frac{\text{hypotenuse}}{\text{adjacent}}$	$\sec\theta \equiv \csc\left(\frac{\pi}{2}-\theta\right) \equiv \frac{1}{\cos\theta}$
Cosecant	csc (or cosec)	$\frac{\text{hypotenuse}}{\text{opposite}}$	$\csc\theta \equiv \sec\left(\frac{\pi}{2}-\theta\right) \equiv \frac{1}{\sin\theta}$