



Trigonometry, Negative Angles Identity (Equations) - Csc/Sec/Cot to Identity (Radians)

1

What is true about the secant of this negative angle?

$$\sec\left(-\frac{\pi}{4}\right)$$

A	B
$\sec\left(-\frac{\pi}{4}\right) = \sec\left(\frac{\pi}{4}\right)$	$\sec\left(-\frac{\pi}{4}\right) = -\sec\left(\frac{\pi}{4}\right)$

2

What is true about the cosecant of this negative angle?

$$\csc\left(-\frac{\pi}{3}\right)$$

A	B
$\csc\left(-\frac{\pi}{3}\right) = -\csc\left(\frac{\pi}{3}\right)$	$\csc\left(-\frac{\pi}{3}\right) = \csc\left(\frac{\pi}{3}\right)$

3

What is true about the cosecant of this negative angle?

$$\csc\left(-\frac{\pi}{6}\right)$$

A	B
$\csc\left(-\frac{\pi}{6}\right) = \csc\left(\frac{\pi}{6}\right)$	$\csc\left(-\frac{\pi}{6}\right) = -\csc\left(\frac{\pi}{6}\right)$

4

What is true about the secant of this negative angle?

$$\sec\left(-\frac{2\pi}{3}\right)$$

A	B
$\sec\left(-\frac{2\pi}{3}\right) = \sec\left(\frac{2\pi}{3}\right)$	$\sec\left(-\frac{2\pi}{3}\right) = -\sec\left(\frac{2\pi}{3}\right)$

5

What is true about the cotangent of this negative angle?

$$\cot\left(-\frac{3\pi}{4}\right)$$

A	B
$\cot\left(-\frac{3\pi}{4}\right) = -\cot\left(\frac{3\pi}{4}\right)$	$\cot\left(-\frac{3\pi}{4}\right) = \cot\left(\frac{3\pi}{4}\right)$

6

What is true about the cosecant of this negative angle?

$$\csc\left(-\frac{5\pi}{6}\right)$$

A	B
$\csc\left(-\frac{5\pi}{6}\right) = \csc\left(\frac{5\pi}{6}\right)$	$\csc\left(-\frac{5\pi}{6}\right) = -\csc\left(\frac{5\pi}{6}\right)$

7

What is true about the secant of this negative angle?

$$\sec\left(-\frac{\pi}{6}\right)$$

A	B
$\sec\left(-\frac{\pi}{6}\right) = \sec\left(\frac{\pi}{6}\right)$	$\sec\left(-\frac{\pi}{6}\right) = -\sec\left(\frac{\pi}{6}\right)$

8

What is true about the cotangent of this negative angle?

$$\cot\left(-\frac{5\pi}{6}\right)$$

A	B
$\cot\left(-\frac{5\pi}{6}\right) = \cot\left(\frac{5\pi}{6}\right)$	$\cot\left(-\frac{5\pi}{6}\right) = -\cot\left(\frac{5\pi}{6}\right)$