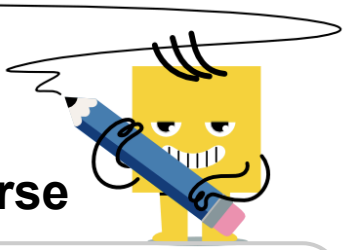
Name

Trigonemetry, Unit Circle Ratios (Tan, Sec, Csc, Cot) - Ratio To Ratio As Inverse (Radians)



1

$\tan\left(\frac{\pi}{6}\right)$

What inverse ratio would give this trigonometry ratio?

A	B
$\tan\left(\frac{\pi}{6}\right) = \frac{1}{\cot\left(\frac{\pi}{6}\right)}$	$\tan\left(\frac{\pi}{6}\right) = \frac{1}{\sec\left(\frac{\pi}{6}\right)}$

2

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

What inverse ratio would give this trigonometry ratio?

A	B
$\cot\left(\frac{\pi}{6}\right) = \frac{1}{\tan\left(\frac{\pi}{6}\right)}$	$\cot\left(\frac{\pi}{6}\right) = \frac{1}{\csc\left(\frac{\pi}{6}\right)}$

3

$\csc\left(\frac{\pi}{4}\right)$

What inverse ratio would give this trigonometry ratio?

A	B
$\csc\left(\frac{\pi}{4}\right) = \frac{1}{\sin\left(\frac{\pi}{4}\right)}$	$\csc\left(\frac{\pi}{4}\right) = \frac{1}{\cos\left(\frac{\pi}{4}\right)}$

4

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

What inverse ratio would give this trigonometry ratio?

A	B
$\csc\left(\frac{\pi}{6}\right) = \frac{1}{\sin\left(\frac{\pi}{6}\right)}$	$\csc\left(\frac{\pi}{6}\right) = \frac{1}{\cos\left(\frac{\pi}{6}\right)}$

5

$\tan\left(\frac{\pi}{3}\right)$

What inverse ratio would give this trigonometry ratio?

A	B
$\tan\left(\frac{\pi}{3}\right) = \frac{1}{\sec\left(\frac{\pi}{3}\right)}$	$\tan\left(\frac{\pi}{3}\right) = \frac{1}{\cot\left(\frac{\pi}{3}\right)}$

6

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

What inverse ratio would give this trigonometry ratio?

A	B
$\csc\left(\frac{\pi}{3}\right) = \frac{1}{\cos\left(\frac{\pi}{3}\right)}$	$\csc\left(\frac{\pi}{3}\right) = \frac{1}{\sin\left(\frac{\pi}{3}\right)}$

7

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

What inverse ratio would give this trigonometry ratio?

A	B
$\sec\left(\frac{\pi}{3}\right) = \frac{1}{\cos\left(\frac{\pi}{3}\right)}$	$\sec\left(\frac{\pi}{3}\right) = \frac{1}{\sin\left(\frac{\pi}{3}\right)}$

8

$\sin\left(\frac{\pi}{4}\right)$

What inverse ratio would give this trigonometry ratio?

A	B
$\sin\left(\frac{\pi}{4}\right) = \frac{1}{\csc\left(\frac{\pi}{4}\right)}$	$\sin\left(\frac{\pi}{4}\right) = \frac{1}{\sec\left(\frac{\pi}{4}\right)}$