



## Trigonometry, Unit Circle Ratios (Tan, Sec, Csc, Cot) - To Ratio Name (Radians)

1

What trigonometry ratio gives the highlighted dimension on the unit circle?

A  $\tan\left(\frac{7\pi}{4}\right)$     B  $\cot\left(\frac{7\pi}{4}\right)$

2

What trigonometry ratio gives the highlighted dimension on the unit circle?

A  $\csc\left(\frac{2\pi}{3}\right)$     B  $\cot\left(\frac{2\pi}{3}\right)$

3

What trigonometry ratio gives the highlighted dimension on the unit circle?

A  $\tan\left(\frac{4\pi}{3}\right)$     B  $\sec\left(\frac{4\pi}{3}\right)$

4

What trigonometry ratio gives the highlighted dimension on the unit circle?

A  $\cot\left(\frac{5\pi}{4}\right)$     B  $\sec\left(\frac{5\pi}{4}\right)$

5

What trigonometry ratio gives the highlighted dimension on the unit circle?

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

6

What trigonometry ratio gives the highlighted dimension on the unit circle?

A  $\cot\left(\frac{2\pi}{3}\right)$     B  $\tan\left(\frac{2\pi}{3}\right)$

7

What trigonometry ratio gives the highlighted dimension on the unit circle?

A  $\tan\left(\frac{5\pi}{6}\right)$     B  $\sec\left(\frac{5\pi}{6}\right)$

8

What trigonometry ratio gives the highlighted dimension on the unit circle?

A  $\cos\left(\frac{3\pi}{4}\right)$     B  $\tan\left(\frac{3\pi}{4}\right)$