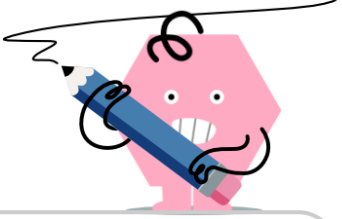
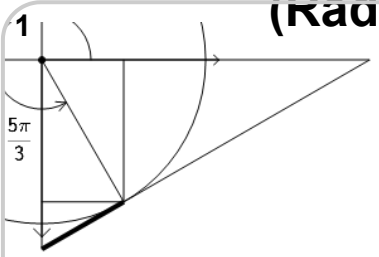
Name

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



**1**




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

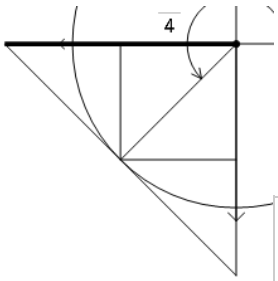
A

$\cot(\frac{5\pi}{3}) = \frac{1}{\tan(\frac{5\pi}{3})}$

B

$\sin(\frac{5\pi}{3}) = \frac{1}{\csc(\frac{5\pi}{3})}$

**2**




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

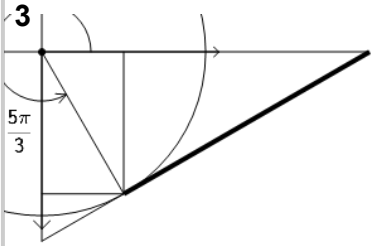
A

$\sec(\frac{5\pi}{4}) = \frac{1}{\sin(\frac{5\pi}{4})}$

B

$\sec(\frac{5\pi}{4}) = \frac{1}{\cos(\frac{5\pi}{4})}$

**3**




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

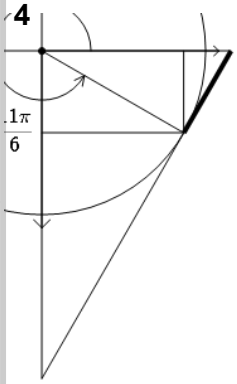
A

$\cos(\frac{5\pi}{3}) = \frac{1}{\sec(\frac{5\pi}{3})}$

B

$\tan(\frac{5\pi}{3}) = \frac{1}{\cot(\frac{5\pi}{3})}$

**4**




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

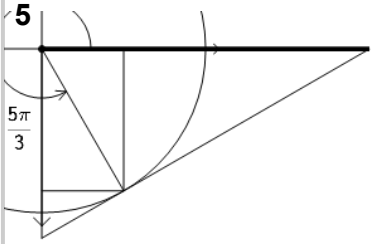
A

$\tan(\frac{11\pi}{6}) = \frac{1}{\cot(\frac{11\pi}{6})}$

B

$\cos(\frac{11\pi}{6}) = \frac{1}{\sec(\frac{11\pi}{6})}$

**5**




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

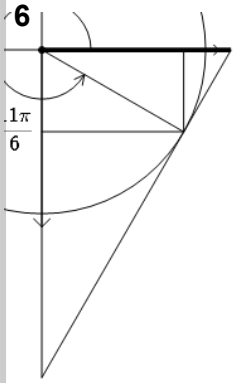
A

$\sec(\frac{5\pi}{3}) = \frac{1}{\cos(\frac{5\pi}{3})}$

B

$\sec(\frac{5\pi}{3}) = \frac{1}{\sin(\frac{5\pi}{3})}$

**6**




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

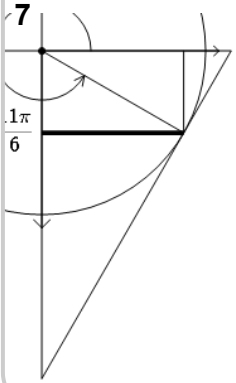
A

$\csc(\frac{11\pi}{6}) = \frac{1}{\sin(\frac{11\pi}{6})}$

B

$\sec(\frac{11\pi}{6}) = \frac{1}{\cos(\frac{11\pi}{6})}$

**7**




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

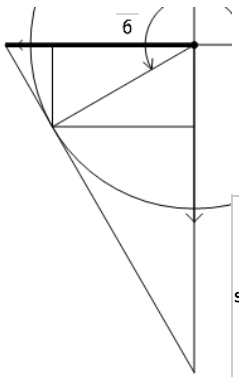
A

$\cos(\frac{11\pi}{6}) = \frac{1}{\sec(\frac{11\pi}{6})}$

B

$\cos(\frac{11\pi}{6}) = \frac{1}{\csc(\frac{11\pi}{6})}$

**8**




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

A

$\sec(\frac{7\pi}{6}) = \frac{1}{\cos(\frac{7\pi}{6})}$

B

$\csc(\frac{7\pi}{6}) = \frac{1}{\sin(\frac{7\pi}{6})}$