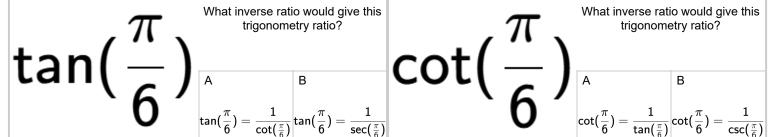


mobius

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





What inverse ratio would give this

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

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

What inverse ratio would give this

$$\mathsf{Cot}(\frac{\pi}{6}) = \frac{1}{\mathsf{tan}(\frac{\pi}{6})} \mathsf{cot}(\frac{\pi}{6}) = \frac{1}{\mathsf{csc}(\frac{\pi}{6})}$$

3

What inverse ratio would give this

$$egin{aligned} \mathsf{A} & \mathsf{B} \ & \mathsf{csc}(rac{\pi}{4}) = rac{1}{\mathsf{sin}(rac{\pi}{4})} \mathsf{csc}(rac{\pi}{4}) = rac{1}{\mathsf{cos}(rac{\pi}{4})} \end{aligned}$$

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

What inverse ratio would give this

$$\operatorname{\mathsf{csc}}(rac{\pi}{6}) = rac{1}{\sin(rac{\pi}{6})} \operatorname{\mathsf{csc}}(rac{\pi}{6}) = rac{1}{\cos(rac{\pi}{6})}$$

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

What inverse ratio would give this

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

$$tan(\frac{\pi}{3})^{\text{What inverse ratio would give this trigonometry ratio?}} \\ (\frac{\pi}{3})^{\text{Normalization of the properties of the properties of trigonometry ratio?}} \\ (\frac{\pi}{3})^{\text{Normalization of the properties of trigonometry ratio?}} \\ (\frac{\pi}{3})^{\text{Normalization of the properties of the propertie$$

$$\mathsf{Csc}(\frac{\pi}{3}) = \frac{1}{\mathsf{cos}(\frac{\pi}{3})} \mathsf{csc}(\frac{\pi}{3}) = \frac{1}{\mathsf{sin}(\frac{\pi}{3})}$$

7

$$\text{Sec}(\frac{\pi}{3})^{\text{What inverse ratio would give this trigonometry ratio?}} \text{Sin}(\frac{\pi}{4})^{\text{What inverse ratio would give this trigonometry ratio?}} \text{Sin}(\frac{\pi}{4})^{\text{What inverse ratio would give this trigonometry ratio?}} \text{Sin}(\frac{\pi}{4})^{\text{A}} \text{Sin}(\frac{\pi}{4}) = \frac{1}{\csc(\frac{\pi}{4})} \sin(\frac{\pi}{4}) = \frac{1}{\sec(\frac{\pi}{4})} \sin(\frac{\pi}{4}) = \frac{1}{$$

$$\left|\begin{array}{c}\mathsf{A}\\\mathsf{sec}(\frac{\pi}{3}) = \frac{1}{\mathsf{cos}(\frac{\pi}{3})}\mathsf{sec}(\frac{\pi}{3}) = \frac{1}{\mathsf{sin}(\frac{\pi}{3})}\end{array}\right|$$

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