

mobius

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



(Degrees)

 $\text{cot}\big(60^{\circ}\,\big)_{\text{cot}(60^{\circ}) = \frac{1}{\text{tan}(60^{\circ})}}$

What inverse ratio would give this trigonometry ratio?

$$egin{aligned} egin{aligned} \mathsf{A} \ \mathsf{cot}(60^\circ) &= rac{1}{\mathsf{tan}(60^\circ)} \ \mathsf{cot}(60^\circ) &= rac{1}{\mathsf{csc}(60^\circ)} \end{aligned}$$

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What inverse ratio would give this trigonometry ratio?

$$egin{aligned} \mathsf{A} \ \mathsf{cot}(30^\circ) &= rac{1}{\mathsf{tan}(30^\circ)} \ \mathsf{cot}(30^\circ) &= rac{1}{\mathsf{csc}(30^\circ)} \end{aligned}$$

csc(60°)₋

$$\begin{array}{|c|c|} \hline A & & & \\ \hline csc(60^\circ) = \frac{1}{\sin(60^\circ)} csc(60^\circ) = \frac{1}{\cos(60^\circ)} \end{array}$$

What inverse ratio would give this

trigonometry ratio?

 $\mathsf{tan}(60^{\circ})_{\mathsf{tan}(60^{\circ}) = \frac{1}{\mathsf{sec}(60^{\circ})}}$

What inverse ratio would give this trigonometry

$$ag{tan(60^\circ)} = rac{1}{ extsf{sec(60^\circ)}}$$
 $ag{tan(60^\circ)} = rac{1}{ extsf{cot(60^\circ)}}$

What inverse ratio would

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3

 $\text{cos}(30^{\circ})_{\frac{A}{\cos(30^{\circ})}=\frac{1}{\sec(30^{\circ})}}$

What inverse ratio would give this trigonometry

$$rac{ extstyle extstyle$$

What inverse ratio would give this

trigonometry ratio?

give this trigonometry

$$\mathsf{tan}(45^\circ)$$

$$\mathsf{fan}(45^\circ) = \frac{1}{\mathsf{sec}(45^\circ)}$$

$$\mathsf{fan}(45^\circ) = \frac{1}{\mathsf{cot}(45^\circ)}$$

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csc(30°)

8

sin(45°)

What inverse ratio would give this trigonometry ratio?

 $\left|\sin(45^\circ) = \frac{1}{\csc(45^\circ)}\sin(45^\circ) = \frac{1}{\sec(45^\circ)}\right|$