

Reciprocal Identities

$\sin \theta = \frac{1}{\csc \theta}$	$\cos \theta = \frac{1}{\sec \theta}$	$\tan \theta = \frac{1}{\cot \theta}$
$\csc \theta = \frac{1}{\sin \theta}$	$\sec \theta = \frac{1}{\cos \theta}$	$\cot \theta = \frac{1}{\tan \theta}$

Quotient Identities

$\tan \theta = \frac{\sin \theta}{\cos \theta}$	$\cot \theta = \frac{\cos \theta}{\sin \theta}$
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Pythagorean Identities

$\sin^2 \theta + \cos^2 \theta = 1$	$\tan^2 \theta + 1 = \sec^2 \theta$	$1 + \cot^2 \theta = \csc^2 \theta$
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Negative Angle Identities

$\sin(-\theta) = -\sin \theta$	$\cos(-\theta) = \cos \theta$	$\tan(-\theta) = -\tan \theta$
$\csc(-\theta) = -\csc \theta$	$\sec(-\theta) = \sec \theta$	$\cot(-\theta) = -\cot \theta$

Answer Sheet Verifying Trigonometric Identities

John Bird



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Trigonometry Cynthia Y. Young, 2011-11-15

Analytic Trigonometry with Applications, Student Solutions

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Calculus Howard Anton, Irl C. Bivens, Stephen Davis, 2021-10-19 In the newly revised Twelfth Edition of Calculus Early Transcendentals, an expert team of mathematicians delivers a rigorous and intuitive exploration of calculus introducing polynomials, rational functions, exponentials, logarithms, and trigonometric functions early in the text. Using the Rule of Four, the authors present mathematical concepts from verbal, algebraic, visual, and numerical points of view. The book includes numerous exercises, applications, and examples that help readers learn and retain the concepts discussed within.

Study Guide : Trigonometry William R. Krickenberger, 1956

Precalculus Cynthia Y. Young, 2010-01-19

Engineers looking for an accessible approach to calculus will appreciate Young's introduction. The book offers a clear writing style that helps reduce any math anxiety they may have while developing their problem solving skills. It incorporates Parallel Words and

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