

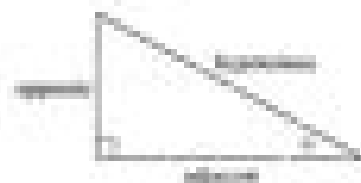
Trig Cheat Sheet

Definition of the Trig Functions

Right triangle definition

For the definition to ensure that

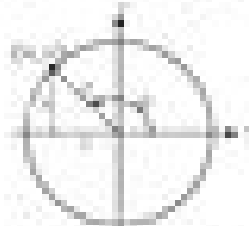
$$\sin^2 \theta + \cos^2 \theta = 1 \quad \text{and} \quad \tan^2 \theta + 1 = \sec^2 \theta$$



$$\begin{aligned} \sin \theta &= \frac{\text{opposite}}{\text{hypotenuse}} & \cos \theta &= \frac{\text{adjacent}}{\text{hypotenuse}} \\ \tan \theta &= \frac{\text{opposite}}{\text{adjacent}} & \sec \theta &= \frac{\text{hypotenuse}}{\text{adjacent}} \\ \csc \theta &= \frac{\text{hypotenuse}}{\text{opposite}} & \cot \theta &= \frac{\text{adjacent}}{\text{opposite}} \end{aligned}$$

Unit circle definition

For this definition θ is any angle



$$\begin{aligned} \sin \theta &= \frac{y}{1} = y & \cos \theta &= \frac{x}{1} = x \\ \tan \theta &= \frac{y}{x} & \sec \theta &= \frac{1}{x} \\ \csc \theta &= \frac{1}{y} & \cot \theta &= \frac{x}{y} \end{aligned}$$

Range and Properties

Domain

The domain is all the values of θ that can be plugged into the function

$\sin \theta$, θ can be any angle

$\cos \theta$, θ can be any angle

$$\tan \theta, \theta \in \left\{ \theta \in \mathbb{R} \mid \theta \neq \frac{\pi}{2} + k\pi, k \in \mathbb{Z} \right\}$$

$$\csc \theta, \theta \in \mathbb{R}, \theta \neq k\pi, k \in \mathbb{Z}$$

$$\sec \theta, \theta \in \left\{ \theta \in \mathbb{R} \mid \theta \neq \frac{\pi}{2} + k\pi, k \in \mathbb{Z} \right\}$$

$$\cot \theta, \theta \in \mathbb{R}, \theta \neq k\pi, k \in \mathbb{Z}$$

Range

The range is all possible values to get out of the function

$$-1 \leq \sin \theta \leq 1 \quad \csc \theta \leq -1 \text{ and } \csc \theta \geq 1$$

$$-1 \leq \cos \theta \leq 1 \quad \sec \theta \leq -1 \text{ and } \sec \theta \geq 1$$

$$-\infty < \tan \theta < \infty \quad -\infty < \cot \theta < \infty$$

Period

The period of a function is the number T , such that $f(\theta + T) = f(\theta)$. So, T is a fixed number and θ is any angle (so here the following periods)

$$\sin(\theta + T) = \sin \theta, \quad T = \frac{2\pi}{1}$$

$$\cos(\theta + T) = \cos \theta, \quad T = \frac{2\pi}{1}$$

$$\tan(\theta + T) = \tan \theta, \quad T = \frac{\pi}{1}$$

$$\csc(\theta + T) = \csc \theta, \quad T = \frac{2\pi}{1}$$

$$\sec(\theta + T) = \sec \theta, \quad T = \frac{2\pi}{1}$$

$$\cot(\theta + T) = \cot \theta, \quad T = \frac{\pi}{1}$$

Formulas and Identities

Tangent and Cotangent Identities

$$\tan \theta = \frac{\sin \theta}{\cos \theta} \quad \cot \theta = \frac{\cos \theta}{\sin \theta}$$

Reciprocal Identities

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

$$\tan \theta = \frac{1}{\cot \theta} \quad \cot \theta = \frac{1}{\tan \theta}$$

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

$$\tan \theta = \frac{1}{\cot \theta} \quad \cot \theta = \frac{1}{\tan \theta}$$

Pythagorean Identities

$$\sin^2 \theta + \cos^2 \theta = 1$$

$$\tan^2 \theta + 1 = \sec^2 \theta$$

$$1 + \cot^2 \theta = \csc^2 \theta$$

Even-Odd Formulas

$$\sin(-\theta) = -\sin \theta \quad \cos(-\theta) = \cos \theta$$

$$\tan(-\theta) = -\tan \theta \quad \cot(-\theta) = -\cot \theta$$

$$\sec(-\theta) = \sec \theta \quad \csc(-\theta) = -\csc \theta$$

$$\tan(\theta) = -\tan \theta \quad \cot(\theta) = -\cot \theta$$

Double Angle Formulas

If θ is an angle

$$\sin(2\theta) = 2\sin \theta \cos \theta \quad \cos(2\theta) = \cos^2 \theta - \sin^2 \theta$$

$$\tan(2\theta) = \frac{2\tan \theta}{1 - \tan^2 \theta} \quad \cot(2\theta) = \frac{\cot \theta - \tan \theta}{1 + \cot^2 \theta}$$

$$\sec(2\theta) = \frac{1}{\cos(2\theta)} \quad \csc(2\theta) = \frac{1}{\sin(2\theta)}$$

$$\tan(\theta) = \frac{\sin \theta}{\cos \theta} \quad \cot(\theta) = \frac{\cos \theta}{\sin \theta}$$

$$\sec(\theta) = \frac{1}{\cos \theta} \quad \csc(\theta) = \frac{1}{\sin \theta}$$

$$\tan(\theta) = \frac{\sin \theta}{\cos \theta} \quad \cot(\theta) = \frac{\cos \theta}{\sin \theta}$$

$$\sec(\theta) = \frac{1}{\cos \theta} \quad \csc(\theta) = \frac{1}{\sin \theta}$$

$$\tan(\theta) = \frac{\sin \theta}{\cos \theta} \quad \cot(\theta) = \frac{\cos \theta}{\sin \theta}$$

$$\sec(\theta) = \frac{1}{\cos \theta} \quad \csc(\theta) = \frac{1}{\sin \theta}$$

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$$\sec(\theta) = \frac{1}{\cos \theta} \quad \csc(\theta) = \frac{1}{\sin \theta}$$

Half Angle Formulas

where θ is

$$\sin \frac{\theta}{2} = \pm \sqrt{\frac{1 - \cos \theta}{2}} \quad \cos \frac{\theta}{2} = \pm \sqrt{\frac{1 + \cos \theta}{2}}$$

$$\tan \frac{\theta}{2} = \pm \sqrt{\frac{1 - \cos \theta}{1 + \cos \theta}} \quad \cot \frac{\theta}{2} = \pm \sqrt{\frac{1 + \cos \theta}{1 - \cos \theta}}$$

$$\sec \frac{\theta}{2} = \pm \sqrt{\frac{2}{1 + \cos \theta}} \quad \csc \frac{\theta}{2} = \pm \sqrt{\frac{2}{1 - \cos \theta}}$$

$$\tan \frac{\theta}{2} = \pm \sqrt{\frac{1 - \cos \theta}{1 + \cos \theta}} \quad \cot \frac{\theta}{2} = \pm \sqrt{\frac{1 + \cos \theta}{1 - \cos \theta}}$$

Sum and Difference Formulas

$\sin(\alpha \pm \beta) = \sin \alpha \cos \beta \pm \cos \alpha \sin \beta$

$\cos(\alpha \pm \beta) = \cos \alpha \cos \beta \mp \sin \alpha \sin \beta$

$\tan(\alpha \pm \beta) = \frac{\tan \alpha \pm \tan \beta}{1 \mp \tan \alpha \tan \beta}$

$\cot(\alpha \pm \beta) = \frac{\cot \alpha \cot \beta \pm 1}{\cot \beta \mp \cot \alpha}$

$\sec(\alpha \pm \beta) = \frac{1}{\cos(\alpha \pm \beta)}$

$\csc(\alpha \pm \beta) = \frac{1}{\sin(\alpha \pm \beta)}$

$\tan(\alpha \pm \beta) = \frac{\tan \alpha \pm \tan \beta}{1 \mp \tan \alpha \tan \beta}$

$\cot(\alpha \pm \beta) = \frac{\cot \alpha \cot \beta \pm 1}{\cot \beta \mp \cot \alpha}$

$\sec(\alpha \pm \beta) = \frac{1}{\cos(\alpha \pm \beta)}$

$\csc(\alpha \pm \beta) = \frac{1}{\sin(\alpha \pm \beta)}$

$\tan(\alpha \pm \beta) = \frac{\tan \alpha \pm \tan \beta}{1 \mp \tan \alpha \tan \beta}$

$\cot(\alpha \pm \beta) = \frac{\cot \alpha \cot \beta \pm 1}{\cot \beta \mp \cot \alpha}$

$\sec(\alpha \pm \beta) = \frac{1}{\cos(\alpha \pm \beta)}$

$\csc(\alpha \pm \beta) = \frac{1}{\sin(\alpha \pm \beta)}$

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Preliminaries: Trigonometric and Linear Transformations , **Notes on the Circular Functions** Jeffrey Dennis
Weston,University College of Swansea. Department of Pure Mathematics,1966 *Trigonometric Functions* Alexey A.
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Table of Contents Transformations Of Circular Functions Tesccc Precal Key

1. Understanding the eBook Transformations Of Circular Functions Tesccc Precal Key
 - The Rise of Digital Reading Transformations Of Circular Functions Tesccc Precal Key
 - Advantages of eBooks Over Traditional Books
2. Identifying Transformations Of Circular Functions Tesccc Precal Key
 - Exploring Different Genres
 - Considering Fiction vs. Non-Fiction
 - Determining Your Reading Goals
3. Choosing the Right eBook Platform
 - Popular eBook Platforms
 - Features to Look for in an Transformations Of Circular Functions Tesccc Precal Key
 - User-Friendly Interface
4. Exploring eBook Recommendations from Transformations Of Circular Functions Tesccc Precal Key
 - Personalized Recommendations
 - Transformations Of Circular Functions Tesccc Precal Key User Reviews and Ratings
 - Transformations Of Circular Functions Tesccc Precal Key and Bestseller Lists
5. Accessing Transformations Of Circular Functions Tesccc Precal Key Free and Paid eBooks
 - Transformations Of Circular Functions Tesccc Precal Key Public Domain eBooks
 - Transformations Of Circular Functions Tesccc Precal Key eBook Subscription Services
 - Transformations Of Circular Functions Tesccc Precal Key Budget-Friendly Options
6. Navigating Transformations Of Circular Functions Tesccc Precal Key eBook Formats

- ePub, PDF, MOBI, and More
 - Transformations Of Circular Functions Tesccc Precal Key Compatibility with Devices
 - Transformations Of Circular Functions Tesccc Precal Key Enhanced eBook Features
7. Enhancing Your Reading Experience
 - Adjustable Fonts and Text Sizes of Transformations Of Circular Functions Tesccc Precal Key
 - Highlighting and Note-Taking Transformations Of Circular Functions Tesccc Precal Key
 - Interactive Elements Transformations Of Circular Functions Tesccc Precal Key
 8. Staying Engaged with Transformations Of Circular Functions Tesccc Precal Key
 - Joining Online Reading Communities
 - Participating in Virtual Book Clubs
 - Following Authors and Publishers Transformations Of Circular Functions Tesccc Precal Key
 9. Balancing eBooks and Physical Books Transformations Of Circular Functions Tesccc Precal Key
 - Benefits of a Digital Library
 - Creating a Diverse Reading Collection Transformations Of Circular Functions Tesccc Precal Key
 10. Overcoming Reading Challenges
 - Dealing with Digital Eye Strain
 - Minimizing Distractions
 - Managing Screen Time
 11. Cultivating a Reading Routine Transformations Of Circular Functions Tesccc Precal Key
 - Setting Reading Goals Transformations Of Circular Functions Tesccc Precal Key
 - Carving Out Dedicated Reading Time
 12. Sourcing Reliable Information of Transformations Of Circular Functions Tesccc Precal Key
 - Fact-Checking eBook Content of Transformations Of Circular Functions Tesccc Precal Key
 - Distinguishing Credible Sources
 13. Promoting Lifelong Learning
 - Utilizing eBooks for Skill Development
 - Exploring Educational eBooks
 14. Embracing eBook Trends
 - Integration of Multimedia Elements
 - Interactive and Gamified eBooks

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