

Download File PDF Trigonometry And Algebra

#Jenny



Finally I get this ebook, thanks for all these I can get now!

#Rio



Cool! I'am really happy

#Markus Jensen



I did not think that this would work, my best friend showed me this website, and it does! I get my most wanted eBook

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My friends are so mad that they do not know how I have all the high quality ebook which they do not!

#Diego Butler



so many fake sites. this is the first one which worked! Many thanks

TRIGONOMETRY		DEFINITION
RIGHT TRIANGLE DEFINITION $\sin \theta = \frac{\text{opposite}}{\text{hypotenuse}}$ $\cos \theta = \frac{\text{adjacent}}{\text{hypotenuse}}$ $\tan \theta = \frac{\text{opposite}}{\text{adjacent}}$	 $\csc \theta = \frac{\text{hypotenuse}}{\text{opposite}}$ $\sec \theta = \frac{\text{hypotenuse}}{\text{adjacent}}$ $\cot \theta = \frac{\text{adjacent}}{\text{opposite}}$	TRIG FUNCTIONS RANGE $-1 \leq \sin \theta \leq 1$ $-1 \leq \cos \theta \leq 1$ $-\infty \leq \tan \theta \leq \infty$ $\csc \theta \geq 1$ and $\csc \theta \leq -1$ $\sec \theta \geq 1$ and $\sec \theta \leq -1$ $-\infty \leq \cot \theta \leq \infty$
UNIT CIRCLE DEFINITION $\sin \theta = y$ $\cos \theta = x$ $\tan \theta = \frac{y}{x}$ $\csc \theta = \frac{1}{y}$ $\sec \theta = \frac{1}{x}$ $\cot \theta = \frac{x}{y}$	 INVERSE TRIG FUNCTION NOTATION $\sin^{-1} x$ is arcsin θ A sin x $\cos^{-1} x$ is arccos θ B A cos x $\tan^{-1} x$ is arctan θ C A tan x	TRIG FUNCTIONS DOMAIN $\sin \theta$ θ can be any angle $\cos \theta$ θ can be any angle $\tan \theta$ $\theta \neq \left(n + \frac{1}{2}\right)\pi$, $n = 0, \pm 1, \pm 2, \dots$ $\csc \theta$ $\theta \neq n\pi$, $n = 0, \pm 1, \pm 2, \dots$ $\sec \theta$ $\theta \neq \left(n + \frac{1}{2}\right)\pi$, $n = 0, \pm 1, \pm 2, \dots$ $\cot \theta$ $\theta \neq n\pi$, $n = 0, \pm 1, \pm 2, \dots$
INVERSE TRIG DOMAIN $\sin^{-1} x: -1 \leq x \leq 1$ $\cos^{-1} x: -1 \leq x \leq 1$ $\tan^{-1} x: -\infty \leq x \leq \infty$	TRIG FUNCTIONS PERIOD $\sin(\omega t) \rightarrow T = \frac{2\pi}{\omega}$ $\cos(\omega t) \rightarrow T = \frac{2\pi}{\omega}$ $\tan(\omega t) \rightarrow T = \frac{\pi}{\omega}$ $\csc(\omega t) \rightarrow T = \frac{2\pi}{\omega}$ $\sec(\omega t) \rightarrow T = \frac{2\pi}{\omega}$ $\cot(\omega t) \rightarrow T = \frac{\pi}{\omega}$	INVERSE TRIG FUNCTION RANGE $-\frac{\pi}{2} \leq \sin^{-1} x \leq \frac{\pi}{2}$ $0 \leq \cos^{-1} x \leq \pi$ $-\frac{\pi}{2} \leq \tan^{-1} x \leq \frac{\pi}{2}$

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