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İlgi duyduğun konularda kendi ücretsiz eğitimlerini oluşturabileceğin, öğrenme deneyimini kişiselleştirebileceğin bir platform.



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AI! 📚🤖

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Progress



Trigonometry and Calculus
2 Chapters
1 of 2 Chapters Completed

Practices



Quiz




Flashcards



Question & Answer

Your Courses



Trigonometry and Calculus I
2 Chapters



Home



Explore



Progress



Profile

Ana Ekran

Ana Ekran da kayıt
olduğunuz,
oluşturduğunuz kursları o
kurlara ait görselleri ve
pratik seçeneklerini
göüntüleyebilirsiniz

Hello, Enes

Let's Get Started!



There is no content

+ Create New Content

Explore existing content



Home



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Explore More Courses

Tech & Coding



**Advanced Minecraft
Automation & Command
Blocks**

2 Chapters

Business & Finance



**Effective Communication
Skills (Moderate)**

5 Chapters

**Birleş
Kurulu
Uygul**

2 c

Keşfet & Profil

Keşfet ekranında başka kullanıcıların oluşturdukları kursları görüntüleyebilir bu kurslara kayıt olabilirsiniz

Profile



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ababab@gmail.com

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Home



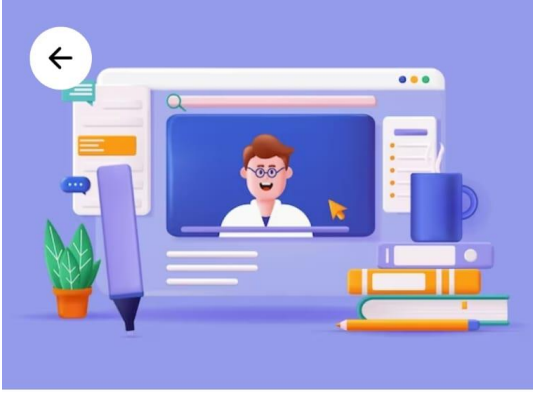
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Trigonometry and Calculus I

2 Chapters

Description:

This course covers the fundamentals of trigonometry, including trigonometric functions, identities, and their applications. It also introduces the basic concepts of Calculus I, including limits, continuity, and derivatives. This course will provide the necessary tools to tackle more advanced topics in mathematics and related fields.

Delete

Course Chapters

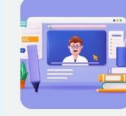
1. Trigonometric Functions



Kurs Tanıtım Ekranı İlerleme Ekranı



Course Progress



Trigonometry and Calculus I

2 Chapters

1 of 2 Chapters Completed

End of the list



Home



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Progress



Profile

What course you want to create
(ex. Learn Python, Digital Marketing,
10Th Science Chapters, etc...)

Math

Generate Topic

Select all topics which you are
interested in

Basic Algebra Fundamentals

Geometry: Shapes and Spaces

Trigonometry Essentials

Calculus I: Limits and Derivatives

Statistics: Data Analysis

Discrete Mathematics Foundations

Linear Algebra Introduction

Create Course

Topic Generator Question & Answer

Sol taraftaki ekran, hayalindeki kurs için ilham kaynağıdır. Yapay zeka, seçtiğin konuya dair çeşitli öneriler sunar.

Beğendiğin fikirleri seçtikten sonra, **“Create Course”** butonuna tıklayarak yapay zeka destekli kursunu anında oluşturabilirsin!



Question Answer Page

Trigonometry and Calculus I

What is the relationship between sine, cosine, and tangent?

What is the derivative of a function at a point?

What is a limit?

The value that a function approaches as the input approaches some value.

What are trigonometric identities used for?

How is the unit circle useful in trigonometry?

What are the conditions for a function to be continuous at a point?

Trigonometric Identities

Learn and apply fundamental trigonometric identities, such as the Pythagorean identity ($\sin^2(\theta) + \cos^2(\theta) = 1$). These identities are crucial for simplifying trigonometric expressions and solving trigonometric equations. They are fundamental tools in simplifying expressions and proving other identities. We will cover reciprocal, quotient, and Pythagorean identities.

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

Use the Pythagorean identity to find $\cos(\theta)$ if $\sin(\theta) = 0.6$. Solution:
 $\cos(\theta) = \sqrt{1 - 0.6^2} = 0.8$


Finish

Konu Anlatım & Quiz Ekranı

← Quiz



Trigonometry and Calculus I

8 of 10

What is the derivative of a constant function, $f(x) = c$?

Next

Quiz Soruları & Quiz Sonucu

Quiz Result



Try Again!

You scored 20 points out of 10 questions

10  2  8 

Summary:

What is $\sin(\pi/6)$?

What is $\cos(\pi/4)$?

Correct is: $\sqrt{2}/2$

What is $\tan(\pi/3)$?

Correct is: $\sqrt{3}$

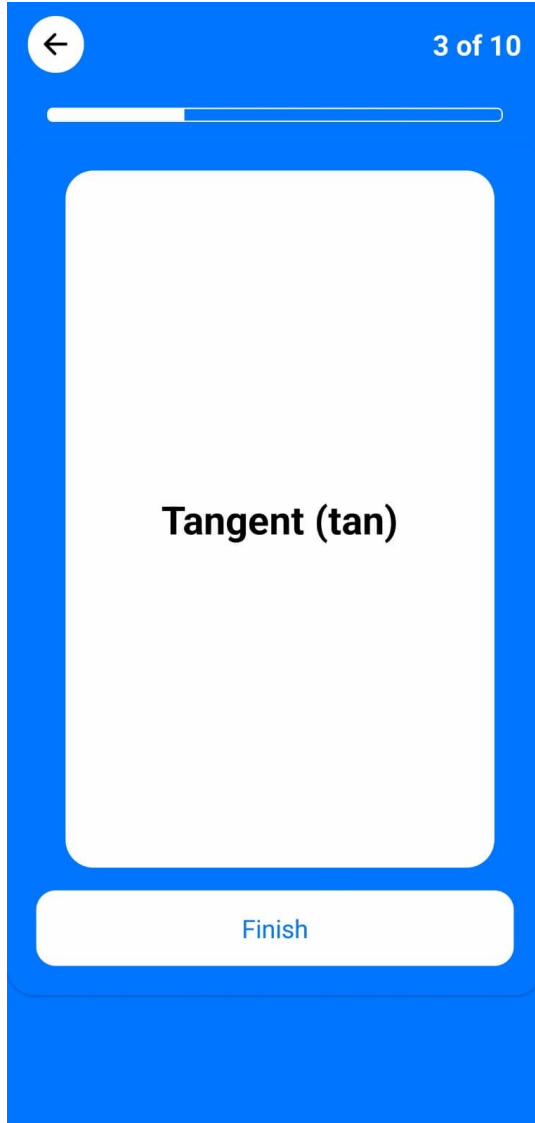
What is the limit of $f(x) = 2x + 1$ as x approaches 3?

Correct is: 7

What is the derivative of $f(x) = x^3$?

Correct is: $3x^2$

Which identity is correct?



Flash Cards & Flash Cards Answer

Kartlara Tıkla, Bilgiyi Keşfet!
Her karta tıkladığında, kartın ön ve
arka yüzü arasında geçiş yaparak
konuyu pekiştirebilirsin. Etkili ve
eğlenceli bir öğrenme deneyimi seni
bekliyor!

