

## High School vs. University Mathematics

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In this handout, we highlight some difference between studying mathematics in university versus how you might have studying mathematics in high school.

<b>University</b>	<b>High School</b>
Comprehension is paramount	Memorization is paramount
There can be many ways to get the correct answer	There is one way to get the correct answer
You have to think of a way to get the correct answer	You follow the given algorithm to get the correct answer
Questions on homework are conceptually different than the examples from class	Questions on homework are the same as the examples from class with numbers changed
Test questions are different or go beyond what was directly done in class and on assignments	Test questions are nearly identical to those done in class and on assignments
Questions involve computations, theory, and proofs	Questions involve computations
You learn new material outside of the classroom via studying, assignments, and other activities	All material you are responsible for is covered in class
You are responsible for your own time management	You are told what to do and when
You have to do the work to succeed	You can succeed with little effort