**Math 10 Homework 1 Description**

In Homework 1, you are required to write a simple markdown file using Jupyter notebook, describing the **fundamental theorem of calculus**. The basic requirements are as follows:

1. Insert “Homework 1” as the **heading level 1**.
2. Insert your name and id as the **heading level 2**.
3. Insert “Fundamental Theorem of Calculus” as **the heading level 3,** and add the **link** to Wikipedia/Mathworld page below (choose one).

<https://en.wikipedia.org/wiki/Fundamental_theorem_of_calculus>

<https://mathworld.wolfram.com/FundamentalTheoremsofCalculus.html>

1. State the theorem as Markdown, and insert the formula/equation using Latex. Note that there are two parts of the theorem, and you are expected to write both. You can find the guidance to write the Latex expressions here

<https://www.math-linux.com/latex-26/faq/latex-faq/article/latex-derivatives-limits-sums-products-and-integrals>,

or from TA’s discussion file. Please type all the formulas by yourself, instead of simply copy and paste directly from webpage.

1. Don’t forget to run all the cells.
2. Save the notebook with your name appended to the filename (for example, `Homework-01-peijiezhou.ipynb`), and **upload it to canvas**.

An example of Pythagorean theorem is provided as the Homework1\_example.ipynb file.