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 (Newton-Leibnitz formula)**. 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/Encyclopedia of Mathematics page (choose one).

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

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

   https://encyclopediaofmath.org/wiki/Newton-Leibniz_formula

4. State the theorem, and insert the formula/equation using Latex. You can find the guidance here

   http://rreece.github.io/sw/markdown-memo/05-math.html

   and the 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.

5. Don't forget to run all the cells.

6. 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.

Due: 11:59 PM **PST**, Oct 16th Friday. No extension/makeup will be allowed.