

Learning Outcomes for Intuitive Calculus, MATH-11012

Knowledge

The students should be able to compute the derivative and the integrals of some elementary functions.

Comprehension

Should understand the meanings of the derivative, the indefinite and definite integrals of a function.

Application

To find the rate of change of a function, to minimize and maximize a function, to find the area of a region bounded by certain given curves.

Analysis

Should understand some basic proofs in the topics of derivatives and integrals.

Synthesis

N/A.

Evaluation

Should be able to apply the knowledge of differentiation and integration to solve some application problems.

Class Activities

To solve problems in class.

Out of class Activities

To do the homework.