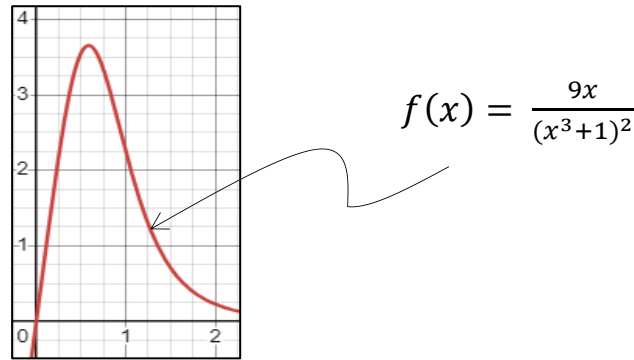


Homework Assignment 1 – due on Saturday, September 14 (Midnight)

Description of Assignment:

You are to write a C program(*area.c*) which calculates the area (using the trapezoidal rule) under the curve of a graph of $f(x)$ (x : 0 to 2) shown in the following integral and figure.



- Use a command-line argument for the number of loops. For example, “*area 1000*” means that the program loops 1000 times.
- Your program should print **the calculated area, elapsed milliseconds** and **GFLOPS**.
 - ※ Do not use the `pow()` function because the number of floating points cannot be calculated.

Turnin the assignment:

After done your assignment, type **turnin** in your current working directory. You can retype the command at any time before the due date.