DAWSON COLLEGE
Mathematics Department
Final Examination
Calculus II
201-NYB-05 (Commerce)

* WITH ANSWERS *

Student Name

Student I.D.#

Instructors: Richard Fournier & Shahab Shahabi

TIME: 9:30 am - 12:30 pm

Instructions:

- Print your name and student ID number in the space provided above.
- All questions are to be answered directly on the examination paper in the provided space.
- Translation and regular dictionaries are permitted.
- Small, noiseless and non-programmable calculators without text storage or graphing capability are permitted.
- No formula sheet is provided.

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Total/100	

8. [5 marks]. Find the area of the region bounded by the graphs of the functions

$$f(x) = \sqrt[3]{x} \text{ and } g(x) = x^2$$

17. [5 marks]. Give an example (with a short justification) of a non-convergent