Information for Midterm 1

1-The test will be held during the class time on Monday, 10/21 in Center 101.

2- You must bring a Blue Book to the exam.

2- Please bring your UCSD student ID to the exam and expect it will be checked.

4- You may bring one page of handwritten notes (written on both sides) to the exam.

5-No calculators (or other electronic devices)!!

Topics

The exam covers the parts of chapters 5 and 6 discussed in the course. This means the test covers the material on homework's 0-2. In particular, make sure you are familiar with the following topics:

1- The definite integral: (Section 5.2)

  1-1) Relationship to area.

  1-2) Properties of the definite integral.

2-The Fundamental Theorem of Calculus, Parts I and II: (Sections 5.3 and 5.4)

  2-1) Calculating definite integrals.

  2-2) Constructing antiderivatives.

3- Net change as the integral of a rate. (Section 5.5)

4-Substitution Method. (Section 5.6)

5-The area between curves. (Section 6.1)

6- Finding volume using the slicing technique. (Section 6.2)

7-Finding the volume of a solid of revolution. (Section 6.3)