

MATH-110: Calculus I

Fall 2016

Siena College

Homework 2

For each question I would like you to show each step and give a high level explanation. I want to know what you are thinking while solving the problem. It is a very important skill to be able to communicate your thoughts and ideas in an understandable way.

Your assignment is to spend about 3 hours doing various problems. Try to do a wide variety of problems. Next to each chapter is the percent of time you should spend on that section.

Below is a list of acceptable problems for each chapter broken into groups, each group is a set of similar problems.

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|--------------------|--------------------|
| 1. Chapter 2.1 5% | - Problems 70-76 |
| - Problem 1 - 33 | - Problems 77-80 |
| 2. Chapter 2.2 15% | - Problems 84-87 |
| - Problems 1-6 | - Problems 88-89 |
| - Problems 7-10 | - Problems 90-91 |
| - Problems 19-20 | |
| - Problems 21-24 | 4. Chapter 2.4 20% |
| - Problem 27 | - Problems 1-6 |
| - Problems 28-31 | - Problems 7-12 |
| - Problems 36-38 | - Problems 13-14 |
| - Problems 43-44 | - Problems 15- 16 |
| 3. Chapter 2.3 20% | - Problems 15- 16 |
| - Problems 1-10 | - Problems 17-28 |
| - Problems 11-16 | - Problems 29-30 |
| - Problems 17-24 | - Problems 31-34 |
| - Problems 25-32 | - Problems 35-38 |
| - Problems 33-36 | - Problem 41 |
| - Problems 36-37 | - Problems 42-43 |
| - Problems 39-52 | - Problems 44 |
| - Problems 55-58 | - Problems 45-52 |
| - Problem 59 | - Problem 53 |
| - Problems 60-67 | |
| - Problems 68-69 | |

5. Chapter 2.5 20%

- Problems 1-8
- Problems 9-24
- Problems 25-34
- Problems 41-44
- Problems 45-50
- Problem 51
- Problems 52-61
- Problems 62-65
- Problems 66-67
- Problems 68-69
- Problems 70-75
- Problems 76-79
- Problem 80
- Problem 82
- Problems 83-84

6. Chapter 2.6 20%

- Problems 1-8
- Problems 9-12
- Problems 13-20
- Problems 21-26
- Problems 27-30
- Problems 31-34

- Problems 35-38
- Problems 39-40
- Problems 41-46
- Problems 47-50
- Problems 51-56
- Problems 57-58
- Problems 59-64
- Problem 65
- Problem 66
- Problems 67-70
- Problems 71-80
- Problem 83
- Problems 84-85
- Problems 86-87
- Problems 88-89
- Problems 90-93
- Problem 94
- Problems 95-96
- Problems 97-98
- Problem 99
- Problems 100-101
- Problem 104
- Problem 105