

Writing Assignment

Due Friday, April 4

You and your partner will be assigned a particular section of our textbook. There are three parts to the writing assignment each of which must adhere to the guidelines on the “Checklist for Writing.” If you find yourselves deviating from my length estimates by half a page or more, come ask me about it. Please do not rely on large tables or graphs to fill up your paper.

1. Write a brief description of the topics that covered in the section and include a list of the new terms that arise there. Usually these are expressed in italics or boldface. This section should be less than one page in length.
2. Look at the examples used by the author to illustrate ideas and create an example of your own. Your goal is to make it similar to an example in that section but also improve on its presentation. This can be done in a number of ways including
 - Illustrating something not covered in the author’s examples (with figures).
 - Doing a better instructional job with its topic by being more verbose in your explanations.

The example should be an original creation on your part, not just a revision of some existing example or exercise. It should be something that would take up at least a third of a page in our textbook and it should allow you plenty of opportunities to instruct the reader. This should be two pages or less in length. A good example is Example 5 on page 207 of our textbook.

3. Write a letter designed to convince the author and editor of our text that your example should be included in the next edition of the book. Explain the point of your example and tell how it relates (in coverage and quality) to the other examples in your section of the book. Use appropriate letter writing style and address your letter to Professor George Thomas and the Mathematics Editorial Staff of Addison Wesley. This should be about one page.
4. You and your partner should write a ”diary” indicating how well you worked together and what each person contributed to the project. This can include things like what was your major form of communication (email, phone, meeting in person), any difficulties encountered in the project, etc... This should be about half a page.

Partners

Kocher, Nichole B (2.2) Morris, Ryan M	Keating, Jillian F (2.3)	Hoban, Brielle E (2.4) Schwieterman, Megan R	Murphy, Michael R (2.5) Thompson, Joel D
Herr, Kenneth K (2.6) Reese, John C	Heinichen, Kelly F (2.7) Oldach, Matthew O	Connolly, James A (3.1) Murphy, James D	Davis, Andrew J (3.2) Lukic, Angela E
Souders, Michael A (3.4) Fahrenholz, Douglas R	Tomlin, Violet A (3.5) Patick, Derek B	Nolan, Nick P (3.6) Stephens, James P	Johnston, Andrew F (3.7) Pucher, Evan M
Elsner, Joseph R (3.8) Rzucidlo, Brittney M	Bainter, Angela E (3.10) Murray, James R		

Checklist for Writing

1. The paper uses correct grammar, spelling, and punctuation. There are no sentence fragments or run-on sentences. Words and phrases are given in full except for standard abbreviations such as “etc.” The paper is neat in appearance and free of errors with no obvious correction marks. There is very minimal use of “you.”
2. All mathematical steps that play a role in the paper are correct.
3. The level of mathematics and explanation is suitable for an average Calculus I student who has studied as much as we have at this time in the course.
4. Every decision made by the writer (e.g., to create an equation, to make a substitution, to differentiate an expression) is expressed in sentences, unless it is the result of a straightforward algebra or calculus operation applied to a previous step. Mathematics and explanations are interspersed, so the reason and purpose in each step is clear. This is illustrated in Example 1 of Section 2.2.
5. The paper makes full use of appropriate mathematical expressions and diagrams. All variables are defined, and all diagrams are mentioned and explained in the text. Diagrams are as clear and uncluttered as possible, and they are labeled for ease of reference. Equations, diagrams, and complicated expressions may be entered by hand if necessary.
6. There are appropriate references to any resource material (websites, books, people, etc.) that assisted in the preparation of this work, together with a description of the help that was received.
7. Notes are included in the text to acknowledge passages that have been taken or paraphrased from the work of other people, including textbook authors. However, the great majority of the thinking in this paper is your own.

Checklist for Manuscript

- A word-processor and 12-point double-spaced print are used to present this work.
- Your names appear in the upper right corner of each page of the paper. The pages are numbered and stapled together.
- An electronic copy is sent to me with your names in the filename.