

Assignment #7

Due: Wednesday, January 19, 2011

1. Reproduce the document contained on page 2 of this file. I want your name where [Your name] is, but everything else should be identical. You must use the techniques discussed today in class in order to reproduce this document.

Make a `.pdf` file and send *both* the `.tex` and `.pdf` files to me through the Drop Box.

2. For the second part of the assignment, I'm asking you to be a bit creative. I want you to write a short article with two sections. I am intentionally *not* specifying a lot of the formatting for this article; using what you know from L^AT_EX, I want you to design something attractive—part of your grade on this assignment will be how nice your article looks. Make sure that your name and “Math 233” are on the document somewhere.

- (a) The first section will include a picture of your choice. Hunt around the internet (or perhaps your digital camera) for a nice picture to use. (Make sure that the picture you choose is in the public domain, i.e., that you're not stealing.) Put the picture in a `figure` environment. Write a paragraph explaining what you like about the picture. Refer to the picture in this paragraph using the cross-referencing commands we've discussed.
- (b) The second section will include a table of your choice. The table must have at least 3 rows and at least 3 columns. Place the table inside of a `table` environment. Write a little bit about interesting parts of the table. (If you follow sports, maybe you'd like to type up a table of some interesting sports statistics. There are **tons** of tables on the web; find something that interests you.) Refer to the table in this paragraph using the cross-referencing commands we've discussed.

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All four margins on this page are 0.9 inches. You'll need to use the Build Profile in TeXnicCenter which goes through PS to PDF and you'll need to locate the file `hwbox.eps`. There is a space of .5 inches after this paragraph.

Have you ever tried to make an `array` and you didn't get enough space?

An integral	\int
A double integral	\iint

You can fix this by placing the `array` within a `spacing` environment and choose the spacing to be something like 1.5. Like this:

An integral	\int
A double integral	\iint

This paragraph started after a .25-inch vertical space. What follows is a very ugly "logo" for our class. I first rotated it clockwise by 22 degrees. In the second one, I scaled it to be 75% of its normal size. In the third one, I made the width to be 2.5 inches. There is a simple line break (double-backslash) between each of these (and before the first one).

