Assignment 1: Two Short LaTeX Documents

For our first writing assignment, I would like for you to write up two short documents.

Document 1:

Write a short bio of yourself (just 1-2 paragraphs). Include things like where you are from and how much experience in mathematics you've had, and mathematical things that might be of interest. You can also include hobbies.

Mainly, in this document I would like to see some structural things in LaTeX:

- Use title, author, date (and `\maketitle`).

- Include a photo of yourself (use `\includegraphics`)

- My goal is to get a short writing sample from you (and to get to know you all a little better).

- So that everyone has the same filename, save the tex file as: `bio.tex`.

Document 2:

Write a short (at most one page) document that introduces the reader to two dimensional parametric equations. Be sure to give examples, and show how to differentiate (dy/dx as well as the individual derivatives) and integrate, and how to compute the arc length. Since we haven't introduced Maple yet, you do not need to include any figures.

Some things I'm looking for:

- Be sure to typeset the mathematics using "math mode" (single or double dollar signs). You should include both inline and display math modes.

- Carefully construct your sentences and pay attention to punctuation.

- From the video tutorial (6th one, about 6:30 minutes in), use this expression somewhere in your writeup: $f : \mathbb{R} \to \mathbb{R}^2$

- Use adjustable parentheses around a fraction.

- You may use a text or online book. Include a reference (see the instruction sheet on the class website.

- So that everyone is using the same filename, save the tex file as `param.tex`.

How to turn in the documents

Go to your CLEo dropbox for this course. Create a folder named `Lab 0`. Upload four files: `bio.tex, bio.pdf, param.tex, param.pdf`