Due date and time: 1 February 02018, 3:30:00 PM EDT.

The purpose of this assignment is for you to reflect on your previous mathematical experiences. It also serves as a exercise in learning LaTeX (299) or recalling how to use LaTeX (399). Use a simple `article` style for your LaTeX document. Come see me if you have questions on the use of LaTeX.

For both 299 and 399:

1. (5 points) Express your name creatively using the special and mathematical symbols available to you in LaTeX. For example, here is one way to express my name:

$$\mathbb{M}\alpha r^k \ \mathfrak{B}\circledcirc \ell\ell\ddot{m}\forall n_{\rightarrow}$$

This is created in LaTeXusing the following code:

```
$\mathbb{M}\alpha r^ k\\\mathfrak{B}\circledcirc\ell\ell$\c{\"{m}}$\forall
$n$\hspace{-2mm}_{\rightarrow}$
```

You can simplify some things in LaTeX by using macros. Here is an example that creates a macro called \myName that contains my name in special symbols and then uses it in a centered line.

```
\newcommand{\myName}{$\mathbb{M}\alpha r^ k\\\mathfrak{B}\circledcirc
\ell\ell$\c{\"{m}}$\forall $n$\hspace{-2mm}_{\rightarrow}$}
```

```
\begin{center}
\myName
\end{center}
```

Have fun and be creative!

For 299 only:

2. (10 points) Write a brief essay (100-250 words), using LaTeX, on one of your most memorable experiences learning mathematics. This could be from a college course, a high school or grade school course, or an extracurricular activity. Include some mathematical symbols or other LaTeX features in your essay.

For 399 only:

2. (10 points) Using LaTeX's `theorem` environment, restate a favorite mathematical theorem and include a proof. It is OK to copy from a book as long as you cite the source using BibTeX. Write a paragraph why this theorem interests you.

The final paper will contain your stylized name followed by the other component.

Use 1 inch margins. You can do this by placing the following code in the preamble (above \begindocument).

```
\usepackage[letterpaper, portrait, margin=0.5in]{geometry}
```