**Microsoft Word Vs. Latex**

Here is the equation for the area of a circle:

It’s a pretty good equation, if I do say so myself.

This is the formula for Riemann sums:

Here’s something interesting about the formula for Riemann sums. If you look at the formula for the area of the circle above, you’ll notice that if then , where

Let’s make a graph!

f(x) = x2

Before we’re done, let’s quickly compute some derivatives. Let . Compute

Well, we can rewrite the function as and use the normal power rule for derivatives. Here goes:

Looks weird!

This document took 20 minutes to write (including one crash + restart).