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The earliest math experience that I can remember was when we did little exercises in KG where we were each given a number of things and were told to share them equally within our groups. What this did was teach us good etiquette while also reinforcing our ability to count.

Successes and pleasant experiences in my math journey include my times in Geometry and above. This was because this was about the time when I began to work harder in my studies, and as a result, understand just how vast, intricate, impactful, and elegant the field of mathematics could be. One thing in particular that I constantly find pleasure in math is how I always feel completely lost at first when learning a new topic. But the idea becomes a little clearer when I come back and read over the notes until finally, it becomes completely clear when I use related online resources to obtain a firm grasp on the topic. An example of this is how I practically gave up on the “Particular Solutions to Differential Equations Given Initial Conditions” section, but after a lot of practice, it became one of my favorite sections in Calc 1.

Failures and frustrations in my math journey have always been riddled throughout. These failures and frustrations mainly include I struggle too much with a topic, which then causes a ripple effect of "the not good". This is because I tend to lose much more time that I could have used for other productive things, which causes me to have less time doing assignments for other classes, which causes me to have less study time, which causes me more stress, which then spills into my grades and self-esteem for delving into future concepts that build off the concept I did

not understand well. An example of this is when I could not wrap my head around how to solve a "Related Rates" problem, which caused me to fall behind with the assignments of my other classes, which caused me to have to cram for the math test and flunk it as a result.

My strengths include my time management capabilities. Throughout my high school years and as of current, I have developed it to the point where I feel guilt for not being good amounts ahead of my classes if I have a reasonable way to do so in them. My weaknesses include my tendency to often forget minor details when solving a problem, such as missing negative signs and doing addition wrong for no reason. I constantly have attempted to make up for this tendency by making sure to check over my work once, twice, and more times if I have the time before submitting them.

Before taking this differential equations class, I have taken Linear Algebra and Calc 1, 2, and 3 either in high school (Calc 1), or at Canada College with Professor Tong. For Calc 1, the ideas covered were not too hard to grasp after I had time to review the concepts a few times to understand the idea of what was going on. This included ideas such as what derivatives and integrals were and what relationship they had with physical concepts. However, I began to struggle with just about every other idea that was brought up in all the Canada College classes that I took. This included things such as the infinite series in Calc 2, surface integrals in Calc 3, and everything in Linear Algebra. This was mostly because of how these things seemed too abstract for me to understand, even until now. However, despite this, I do think I am prepared enough for differential equations, depending on how well I manage my time.

The kind of math I see myself doing in the future is the collaboration in the creation of many programs in computer science that thrive off the fundamental rules and theories of mathematics.