

# Math 2C03: Assignment #4

## Due: Friday, July 24th

*McMaster University*

### Part I: Online

The online portion of your assignment is available on WeBWork.

### Part II: Written

*Type* your response to this question (double-spaced, at most one page), save it as a PDF, and title it LastName\_FirstName\_Assignment4. Submit your PDF to me, via *email*, by 2pm on the due date.

### Question:

1. (10pts) Imagine yourself standing in front of an audience of high school students. Your task is to introduce to your audience in the simplest way the concept of an ordinary differential equation. Elaborate in 2-3 paragraphs how you would complete this task. Support your ideas with examples and describe/explain the various approaches to solve such an equation.

**Remember:** Keep your audience in mind. They have little to no knowledge of calculus, so writing down the definition of a differential equation as we did in class would be of no help to them (they might not know what a derivative is!). You're encouraged to consult the textbook and internet for real life examples that might help you illustrate your point.