

# Homework 1

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## 1 Text

This section is an example of basic text using **LaTeX**. It's *very* important to understand that using LaTeX is different than Microsoft word. You must format text correctly.

## 2 Equation

Here's an example of an inline equation: “we use  $ax^2 + bx + c = 0$  as the standard form for a quadratic equation.”

$$\int \left( \frac{(x-1)}{\sqrt{x^2+1}} + \sqrt{x^2+1} \right) dx = \left( 1 + \frac{x}{2} \right) \sqrt{x^2+1} - \frac{1}{2} \arcsin x + C \quad (1)$$

As you can see, the equation above (1) is not inline; it requires different formatting.

## 3 Graphics

Adding a graphic is a bit annoying, as LaTeX throws it wherever it likes. However, this does make sense after closer inspection. It's on the next page.

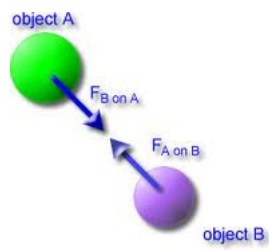


Figure 1: Here's the graphic from the lesson