# Sample TeX File

### Your name here

## Contents

	This is a section			
	1.1	Here is a subsection		
		1.1.1	Here is a subsubsection	2

#### This is a section 1

Here is a list:

- Item 1
- Item 2

#### Here is a subsection 1.1

- 1. Numbered item 1
- 2. Numbered item 2

#### 1.1.1 Here is a subsubsection

You can align equations as follows:

$$x = y \tag{1}$$

$$x = y$$

$$x^2 = y^2$$
(1)
(2)

You can also remove the equation numbers by adding an asterisk:

$$x = \frac{1}{2}$$
$$x^2 = \left(\frac{1}{2}\right)^2$$

Lemma 1. This is a lemma