

# Simple Sample

My Name

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## 1 Hello World!

**Hello World!** Today I am learning L<sup>A</sup>T<sub>E</sub>X. L<sup>A</sup>T<sub>E</sub>X is a great program for writing math. I can write in line math such as  $a^2 + b^2 = c^2$ . I can also give equations their own space:

$$\gamma^2 + \theta^2 = \omega^2 \tag{1}$$

If I do not leave any blank lines L<sup>A</sup>T<sub>E</sub>X will continue this text without making it into a new paragraph. Notice how there was no indentation in the text after equation (1). Also notice how even though I hit enter after that sentence and here ↓ L<sup>A</sup>T<sub>E</sub>X formats the sentence without any break. Also look how it doesn't matter how many spaces I put between my words.

For a new paragraph I can leave a blank space in my code.