

Hello! This is my first L<sup>A</sup>T<sub>E</sub>X document.

A rectangle has side lengths of  $(x + 1)$  and  $(x + 3)$ . The equation

$$A(x) = x^2 + 4x + 3$$

gives the area of the rectangle. You can see how the use of the double dollar sign places the math equation into its full own line.

If I write an equation with a single dollar sign it goes inline  $x + y^2 + z = 1x + y + \cos 3$ . You can see how it wraps around.

If I add curly brackets you can how it goes on a new line instead  $x + y^2 + z = 1x + y + \cos 3$ . It doesn't wrap around.

By default the first line of a paragraph is indented. If I add a single newline, it continues on the same line.

If I add two newlines, it goes onto the next line but indents.

If I add a single newline and double slashes, it goes onto a new line, but doesn't indent.

If I add double slashes and a double newline, it adds a full space and indents again.