Hello world! This is my first LaTeX document.

A rectangle has side lengths of $(x+1)$ and $(x+3)$.A hard return is going to start a new paragraph.

A rectangle has side lengths of $(x+1)$ and $(x+3)$. \\ is a soft return and therefore the line is not indented.

The equation

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

gives the area of the rectangle.

{} makes sure to keep your equation on a line.