

This is my first LaTeX document.

Suppose we are given a rectangle with side lengths  $(x + 1)$  and  $(x + 3)$ .  
Then the equation  $A = x^2 + 4x + 3$  represents the area of the rectangle.

Suppose we are given a rectangle with side lengths  $(x + 1)$  and  $(x + 3)$ .  
Then the equation

$$A = x^2 + 4x - 3$$

represents the area of the rectangle.