

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. The following is in displayed math mode

$$f(x) = x^2 + 2x + 1$$