Welcome to LATEX! LATEX excels at type setting mathematics. For example, the Pythagorean Theorem states that if a and b are the lengths of the sides of a right triangle, and c is the length of that triangle's hypotenuse, then

$$a^2 + b^2 = c^2 (1)$$

From this equation, we can conclude that

$$c = \sqrt{a^2 + b^2}$$

So, for example, if a=3 and b=4, we can calculate that c=5.