Introduction

This is a little paragraph, and it contains some *italic* as well as some **bold** text, and here is some `monospace` stuff.

If you want to <u>put a line</u> under some text, you can use this implemented function.

The followinig command makes links underlined.

This works: <u>Here</u> is a link.

Lists
- just use the markdown syntax,
- and hence are very easy.

Numbered lists
1. also use this easy syntax,
2. so they are no more difficult.

Extended functionality is provided by the `list` and `enum` functions.

Here is some $a = 2b + 1$ inline math. For centered equations, let's first enable numbering.

Now here are some examples (note the space at the beginning and at the end):

$$\text{area} = A = \pi r^2 = \pi \cdot \text{radius}^2 \tag{1}$$

$$\mathcal{A} := \{x \in \mathbb{R} \mid x \text{ is natural}\} \tag{2}$$

$$\begin{aligned} \sum_{k=0}^{n} k &= 1 + \ldots + n \\ &= \frac{n(n+1)}{2} \end{aligned} \tag{3}$$

$$\begin{pmatrix} 1 & 2 & \ldots & 10 \\ 2 & 2 & \ldots & 10 \\ \vdots & \vdots & \ddots & \vdots \\ 10 & 10 & \ldots & 10 \end{pmatrix} \tag{4}$$

You perhaps noted that I labeled Equation 1, and now you saw how I can refer to it.