

# Sample Markdown with LaTeX

This is a sample markdown file with a math formula.

## Introduction

We can write inline math like this:

$$E = mc^2$$

.

And block math using double dollar signs:

$$\int_{-\infty}^{\infty} e^{-x^2} dx = \sqrt{\pi}$$

## Key Concepts

Markdown is easy to write

LaTeX is great for math

Together, they make documentation powerful

## Another Formula

Let's look at the quadratic formula:

$$x = \frac{-b \pm \sqrt{b^2 - 4ac}}{2a}$$

That's all!