

Basic Template: Your Title Here

Your Name Here

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1 A Basic Template

Hello Mathematical World!

Let's take a look at some simple \TeX .

A tribute to L. Euler The following displayed equation expresses a profound insight that unifies geometry, trigonometry, analysis, and complex variables.

$$-e^{i\pi} = 1.$$

A question of class Let's illustrate the use of mathematical symbols and footnotes.

Is $\pi^{\sqrt{2}}$ algebraic¹ or transcendental²? (See the footnotes for an explanation.)

¹A number is algebraic if it is the root of a polynomial with rational coefficients. Algebraic numbers include the rationals but also selected irrationals such as $\sqrt{2}$, $\sqrt[3]{2}$, and in general $\sqrt[n]{p}$ for any prime number p and any positive integer n .

²A number is transcendental if it is not algebraic, i.e. if it is irrational and is not the solution to any polynomial with rational coefficients. Examples are π and e .