Simple Latex Test

Here's some equations:

$$y = mx + c$$

$$\beta = 5x^3 + y^{(1/8)} - \sqrt{z} + \frac{3}{4}\pi$$

$$\sigma = \sqrt{\frac{1}{N-1}\sum_{i=1}^{N}(x_i - \bar{x})^2}$$

$$\pm\infty \neq \sim \propto 7!$$

$$\otimes \oplus \cap \cup$$

$$\supset \subseteq \supseteq$$

$$\int \oint \sum \prod$$

Subscript & superscript test

$$\int_{0}^{1} x^2 + y^2 \, dx$$

$$[a_1^2 + a_2^2 = a_3^2]$$

$$x^{2\alpha} - 1 = y_{ij} + y_{ij}$$

$$(a^n)^{r+s} = a^{nr+n}$$

$$\sum_{i=1}^{\infty}\frac{1}{n^s} = \prod_{p}\frac{1}{1-p^{-s}}$$

$$\sqrt[4]{4ac} = \sqrt{4ac\sqrt{4ac}}$$

$$a_{n_i} \cup_{i=1}^{n} \coprod_{i=1}^{n} \varepsilon$$