

Here is my masterpiece. Spacing is totally irrelevant. Words will all get pushed together correctly. Here is a new sentence.

Here is a new paragraph. Here is a new paragraph. Here is a new paragraph. Here is a new paragraph. Here is a new paragraph. Here is a new paragraph. Here is a new paragraph. Here is a new paragraph. Here is a new paragraph. Here is a new paragraph. Here is a new paragraph.

Typing words is as usual.

All math goes in dollar signs like this. Here is $\sqrt{2}$. Here is an integral $\int_a^b \hat{f}(x)dx$. Here is a summation $\sum_i = 1^n a_i$ or $\sum_{i=1}^n a_i$. If I want a centred equation, I can use double dollar signs like this

$$\int_a^b \hat{f}(x)dx$$

or like this

$$\sum_{i=1}^n a_i.$$

Suppose that I want to type a matrix. Here it goes

$$A = \begin{matrix} a & b & c \\ d & e & f \\ g & h & i \end{matrix}$$

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Suppose that we want to typeset a dollar sign. What do we do? Here is \$10. What about other symbols. Math & Stats There are several others. # % - { } We use a double backslash to end a line.

Here it is. To type a slash, we use / But a forward slash is not a problem / like this. Let's try \.

The squiggle (or tilde) gives a nonbreaking space like this. Here is equation 1.2 which says something wonderful. The problem is, suppose that we want to give a web address like this

<http://stat.math.uregina.ca/kozdron>

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Suppose we want to change font styles. Here is some **bold**, or some *italics*, or some SMALL CAPS, or some **typewritten** text.

<http://stat.math.uregina.ca/~kozdron>

$$a \leq b \cong c \propto d$$

We also use a lot of Greek letters in math. $\alpha \beta \theta \phi \rho \sigma \epsilon$ You can also use φ or ϑ or ϱ or ς or ε . For capital letters, we just use Σ or Θ Γ Δ Suppose I want to type a Hungarian name with accents like this Hájèkš

$$a \pm b \text{ or } a \div b \text{ or } a * b \text{ or } a \oplus b$$

[a]

$$\prod_{i=1}^n a_i$$