This is my first latex doc

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I'm testing WinEdt to write my research paper for my fifth semester course CSE 3110 and I need the following items for the composition of my Research paper -

1. **LaTeX**
   (a) **This is a langauge**
   (b) **It can be operated**

2. **MikTex**
   (a) **This is an environment by which LaTeX can be functional.**

3. **WinEdt**
   (a) **This is an editor with a compiler.**

This is superscript: x^2 This is Subscript: y_n This is Mix and match: x_n^2

$$0 = 4x^2 + 3x - 2 \tag{1}$$
$$= 3x^3 - 2x^2 + 3 \tag{2}$$
$$\therefore x = 0, 2 \tag{3}$$

bmatrix $\begin{bmatrix} 1 & 2 & 3 \\ 4 & 5 & 6 \end{bmatrix}$

$\begin{pmatrix} 1 & 2 \\ 4 & 3 \end{pmatrix}$

pmatrix $\begin{pmatrix} a & b \\ c & d \\ e & f \end{pmatrix}$

$\dfrac{x^2}{x^3} = \dfrac{a^2}{b^3}$

$\sqrt{2}$ is an irrational number

This is Integral: $\int_a^b f(x)dx$

and this is very much important:

$$\int_b^a sinxdx$$

This is Tabular form

x	2
$f(x)$	3

Here is a picture

go to the following link for using many types of symbols:

$$http://detexify.kirelabs.org/classify.html$$

The END