Pluto $\LaTeX$ Cheatsheet

```
md"# Pluto $\LaTeX$ Cheatsheet"
```

Basic Syntax

```
md"## Basic Syntax"
```

- Text Mode vs Math Mode
- $$ for Math Mode
- Inline vs. Display
- \ for symbols and functions
- {} used with functions
- whitespace is important (unlike LaTeX)

```
md"
* Text Mode vs Math Mode
* \$\$ for Math Mode
* Inline vs. Display
* \ for symbols and functions
* {} used with functions
* whitespace is important (unlike LaTeX)
"
```

This is Text Mode.

```
md"This is Text Mode."
```

$$Thisiswhattextlookslikeinsideof MathMode.$$

```
md"$This is what text looks like inside of Math Mode.$"
```

$$\text{This is how to display text in Math Mode.}$$

```
md"$\text{This is how to display text in Math Mode.}$"
```

Text Mode: 1 + 1 = 2

```
md"Text Mode: 1 + 1 = 2"
```

Math Mode:

```
md"Math Mode:"
```

$$1 + 1 = 2$$

```
md"$1 + 1 = 2$"
```

Inline Math Mode: $1 + 1 = 2$

```
md"Inline Math Mode: $1 + 1 = 2$"
```

$$2x3 = 6$$

```
md"$2 x 3 = 6$"
```

$$2 \times 3 = 6$$

```
md"$2 \times 3 = 6$"
```

$$5 \div 2 = 2.5$$

```
md"$5 \div 2 = 2.5$"
```

$$\frac{3}{4}$$

```
md"$\frac{3}{4}$"
```

$$\sqrt{4} = 2$$

```
md"$\sqrt{4} = 2$"
```

$$\sqrt[3]{[8]} = 2$$

```
md"$\sqrt[3][8] = 2$"
```

$$x^2$$

```
md"$x^2$"
```

$$t_o$$

```
md"$t_o$"
```

$100

```
md"\$100"
```

$$\$100$$

```
md"$\textdollar100$"
```

$$\begin{gathered}
thisisonelineoftext \\
\text{and this is another line of text}
\end{gathered}$$

```
md"$\begin{gather}
this is one line of text \\
\text{and this is another line of text}
\end{gather}$"
```

$$a^2 + b^2 = c^2$$

```
md"$a^2 + b^2 = c^2$"
```

$$A = \pi r^2$$

```
md"$A = \pi r^2$"
```

$$\sin A = \frac{\text{opposite}}{\text{hypotenuse}}$$

```
md"$\sin A = \frac{\text{opposite}}{\text{hypotenuse}}$"
```

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

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

$$\lim_{h \rightarrow 0} \frac{f(a+h) - f(a)}{h}$$

```
md"$\lim_{h \rightarrow 0} \frac{f(a+h) - f(a)}{h}$"
```

```
1 Enter cell code...
```

```
1 Enter cell code...
```

```
1 Enter cell code...
```