## Basic Setup for LaTex

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This is an example for writing a formula in the same line.  $U(X) = X_1^{\alpha} X_2^{\beta}$ 

This is an example for writing a formula in a new line.

$$U(X) = X_1^{\alpha} X_2^{\beta}$$

## Example 1:

This is an example of switch line.

This is the new line.

## Example 2:

This is an example of switch line.

This is the new line.

## Example 3:

This is an example for self-designed command:  $\angle 90^\circ$  If you need to type backslash in your file, use  $\backslash$