- Define: `\documentclass[<optional args>]{<class type>}`.

- Ex: `\documentclass[11pt]{article}`

- Create a space by adding `\`.

- Ex: `Hello! This is my first \LaTeX\ document.`

- Create a soft return (a newline as part of the same paragraph (no indent)) by adding `\\` at the end of line.

- Ex: `Hello! This is my first \LaTeX\ document. \\`

- Create a hard return (adds a newline and creates a new paragraph (adds an indent)) by adding a space between lines.

- Anything between a pair of `$` is in inline math mode (instead of the default text mode).

- Ex: `A rectangle has side lengths of $(x+1)$ and $(x+3)$`

- Anything between `\[` and `\]` is in displayed math mode (has a separate line for the math equations).

- Ex: `\[A(x)=x^2+4x+3\]` `gives the area of the rectangle.`

- Surrounding an equation in curly braces ensures the whole equation is on one line.

- `\[ {A(x)=x^2+4x+3} \]`.

- Superscripts: Only the immediately following digit