LaTeX Cheat Sheet

1 Document Structure

- \documentclass{article}: Set document class.
- \usepackage{package}: Include package.
- \begin{document} ... \end{document}: Document content.
- \section{Title}: Section heading.
- \subsection{Title}: Subsection heading.
- \paragraph{Title}: Paragraph heading.

2 Text Formatting

- \textbf{bold}: **bold**
- \textit{italic}: *italic*
- \underline{underline}: underline
- \texttt{typewriter}: typewriter
- \emph{emphasis}: *emphasis*

3 Lists

3.1 Bulleted List

```
\begin{itemize}
    \item Item 1
    \item Item 2
\end{itemize}
```

- Item 1

- Item 2

3.2 Numbered List

```
\begin{enumerate}
    \item First item
    \item Second item
\end{enumerate}
```

1. First item

2. Second item

4 Math

4.1 Inline Math

```
This is inline math: $E = mc^2$.
```

This is inline math: $E = mc^2$.

4.2 Displayed Math

```
\[
    E = mc^2
\]
```

$$E = mc^2$$

5 Tables

```
\begin{tabular}{|c|c|}
\hline
A & B \\
\hline
1 & 2 \\
\hline
3 & 4 \\
\hline
\end{tabular}
```

A	B
1	2
3	4

6 Figures

```
\begin{figure}[h]
    \centering
    \includegraphics[width=0.5\textwidth]{example.jpg}
    \caption{Sample Figure}
    \label{fig:sample}
\end{figure}
```
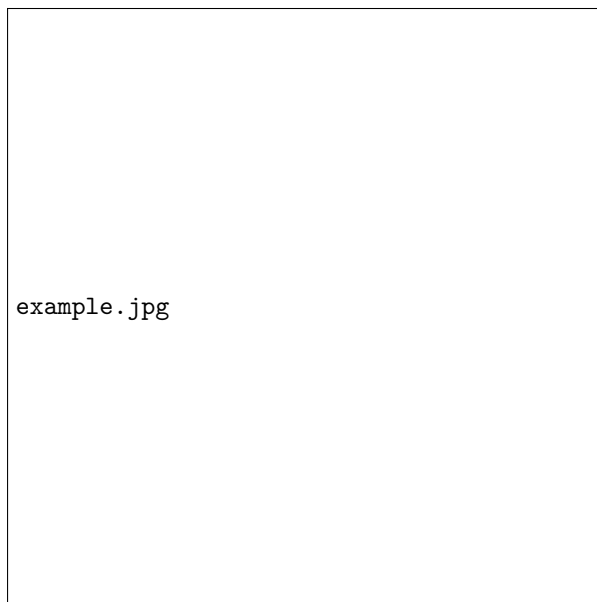
example.jpg

Figure 1: Sample Figure

7 References and Links

- \label{label}: Set a label.
- \ref{label}: Refer to a label.
- \href{url}{text}: Example Link.

8 Code

```
\begin{verbatim}
Code goes here
```

9 Colors

```
\textcolor{red}{Red Text}
```

Red Text