

```

\documentclass[11pt]{article}
\usepackage{geometry}           % See geometry.pdf to learn the layout options.
There are lots.
\geometry{letterpaper}         % ... or a4paper or a5paper or ...
%\geometry{landscape}         % Activate for for rotated page geometry
%\usepackage[parfill]{parskip} % Activate to begin paragraphs with an empty line
rather than an indent
\usepackage{graphicx}
\usepackage{amssymb}
\usepackage{epstopdf}
\DeclareGraphicsRule{.tif}{png}{.png}{`convert #1 `dirname #1`/basename
#1 .tif .png}

```

```

\newcommand{\bc}{\begin{center}}
\newcommand{\ec}{\end{center}}

```

```

\title{Sample}
\author{Jacqueline Jensen}
\date{28 January 2008}         % Activate to display a given date
or no date

```

```

\begin{document}
\maketitle
\section{How to write math}

```

Use ``math mode'' to typeset math.

```


$$\int_0^6 x \, dx$$


$$\int_{10}^{16} x \, dx$$


$$\sqrt{x^3}$$


$$\left(\sqrt{x}\right)^3$$


$$x^{\frac{1}{3}}$$


$$\sqrt[3]{x^2}$$


$$\frac{x^2+1}{x(x+1)}$$


$$(x+1) \left(\frac{x+2}{x+1}\right)$$


$$\frac{\partial}{\partial x} \left(2x+3y+6z\right)$$


$$\delta$$


$$\Delta$$


$$\Sigma_{k=0}^6 k$$


$$\sum_{k=0}^6 k$$


$$\infty$$

\pagebreak

```

```

%\subsection{}
\section{Tables}

```

```

\begin{figure}
\caption{A Table}
\label{table}
\bc
\begin{tabular}{|r lc | | l}
\hline
right justified & centered & left justified \\
\hline
\hline
next row & & \\
\hline
\end{tabular}
\ec
\end{figure}

```

This is how you would insert a table, like Table \ref{table} or \ref{table2}.

```

\begin{figure}
\caption{A Table}
\label{table2}
\begin{center}
\begin{tabular}{|c lc | c | c l}
\hline
right justified & centered & left justified & all centered \\
\hline
\hline
next row & & & \\
\hline
\end{tabular}
\end{center}
\end{figure}

```

\section{How to include pictures}

If I wanted to include a picture of Amanda Hoffman at her REU in 2005-ish, I would include it here.

```

\begin{center}
\scalebox{.1}{\includegraphics{SMP05.pdf}}
\end{center}

```

If I wanted to include it as a figure, I would do this:

```

\begin{figure}
\begin{center}
\caption{Amanda Hoffman}

```

```
\label{hoffman}  
\scalebox{.1}{\includegraphics{SMP05.pdf}}  
\end{center}  
\end{figure}
```

This figure is pulled aside to be referred to later, as noted by figure \ref{hoffman}.

```
\end{document}
```