\LaTeX\ topics to be familiar with for the quiz

I. Titles and sections
   A. The \texttt{center} environment centers text
   B. Sections should start with \texttt{section}

II. Math you should know how to do
   A. Fractions: $\frac{1}{1-x}$
   B. Sums ($\sum_{k=1}^{n} n^2$) and integrals ($\int_{-\infty}^{\infty} e^{-\frac{1}{2}x^2} \, dx$)
   C. $\sin(x)$ and $\cos(x)$ (not $\sin(x)$ and $\cos(x)$)
   D. Radicals ($\sqrt{x}$ and $\sqrt[5]{x}$)
   E. Subscripts and superscripts ($x_{i}^{k}$)
   F. Ellipses \ldots (\texttt{\ldots}) and \ldots (\texttt{\cdots})
   G. Large equations should be displayed between lines with \texttt{\[ \]}
      \[ \frac{d}{dx} \int_{a}^{x} f(t) \, dt = f(x) \]

III. Lists
   A. The \texttt{itemize} environment creates an unordered (bullet-pointed) list
   B. The \texttt{enumerate} environment creates an ordered (numbered) list
   C. Can have sublists within lists

IV. Tables
   A. Know the \texttt{tabular} environment, but don’t worry about \texttt{table}
   B. Should be able to put lines between columns and rows
   C. Should be able to justify columns left, right, or center

V. Theorems and proofs
   A. Create theorem-like environments with \texttt{\newtheorem}.
   B. Use the \texttt{\proof} environment for proofs (requires \texttt{amsthm} package)
   C. Use \texttt{\label} to give a name to an equation, list item, theorem, etc., and use \texttt{\ref} to refer to it.

VI. Miscellaneous
   A. To get quotes, need to use ‘‘quotes’’ for “quotes”
   B. \textit{Italicized text} is made with \texttt{\textit{Italicized text}}
   C. \textbf{Boldface text} is made with \texttt{\textbf{Boldface text}}
   D. To end a line and start a new one, use $$ (but only if you have to!)