The quiz on Wednesday will consist of definitions, and will be brief. Your wording on a definition must be precise, and you will be required to give a symbolic form and a verbal interpretation of the symbols. (Recall that an interpretation is a conceptual translation, not a symbol-by-symbol transliteration.) You may be asked to produce examples or verify that something satisfies the requirements of a definition. The ideas you should know include:

\[
A \subseteq B, \ A = B \\
A \cup B, \ A \cap B, \ A - B \\
\mathcal{P}(A) \\
A \times B \\
P \iff Q
\]

Contrapositive, Converse, Inverse
Negations of \( \lor, \land, \forall, \exists, \Rightarrow \)
x is rational
\( n \mid m \)
The sets \( \mathbb{N}, \mathbb{Z}, \mathbb{Q}, \mathbb{R}, \emptyset \)