The quiz on Monday 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 $\mathbb{N}, \mathbb{Z}, \mathbb{Q}, \mathbb{R}, \emptyset$