Set definitions - memorize these!

Definition of subset:
Definition of set equality:
Definition of union:
Definition of intersection:
Definition of set difference:
Definition of complement:
Definition of power set:
Definition of Cartesian product:
Procedural definitions:

Definition of union:
Definition of intersection:
Definition of set difference:
Definition of complement:
Definition of power set:
Definition of Cartesian product: $(x, y) \in A \times B \Leftrightarrow x \in A \wedge y \in B$
" $\Leftrightarrow$ " means "if and only if," or in other words, if the left side is true, then the right side is true, and vice-versa. You can use it the same way you use the "三" sign. These signs are used in definitions to mean that you can replace the left side with the right side and vice versa.

