Set – a group of objects represented as a unit

Subset – iff every member of A is in B
Set Equality – iff A is a subset of B, and B is a subset of A

Sequence – a group of objects represented as a unit in which order matters

Cross Product – the set of all pairs such that the first element is a member of A and the second element is a member of B

Function – an object that describes an input-output relationship

Alphabet – a non-empty, finite set of symbols
String – a finite sequence of symbols from an alphabet
Language – a set of strings

Lexicographic Ordering – “dictionary ordering” of strings in ascending order of length