	Doing a Proof	
I	$\forall x \forall y ([rational(x) \land rational(y)] \rightarrow rational(xy))$ "The product of two rational numbers is rational."	
	DON'T just jump right in!	
	Look at the statement, make sure you know:	
	1. What every word in the statement means.	
	2. What the statement as a whole means.	
	3. Where to start.	Rational
	4. What your target is.	A real number x is rational if
		(and only if) there exist integers $m{p}$
		and q, with $q \neq 0$ such that $x = p/q$ .

Try it!

 Let 
$$A = \{1, 2, 3, 4, 5\}$$
 $B = \{1, 2, 5\}$ 

 Is  $A \subseteq A$ ?

 Is  $B \subseteq A$ ?

 Is  $A \subseteq B$ ?

 Is  $\{1\} \in A$ ?

 Is  $1 \in A$ ?



