Homework Guidelines

1. Always write the problem (or the thing you are proving) at the top. That is, do not prove a statement without writing that statement down.

2. Always write **Proof** when you begin your proof.

3. Always use complete sentences – in English not symbolic logic – with correct grammar and punctuation.

4. Never begin a sentence with a symbol.

   For example if you want to say that the set A is a subset of the set B, you want to write:
   "The set A is a subset of the set B." You do not want to write
   "A is a subset of B."

5. Do not use the symbols: $\Rightarrow$, $\forall$ or $\exists$.

6. State the proof method you are using if that method is anything other than a direct proof.

7. Never ever turn in your first draft.

8. When re-reading your proofs, check for correctness but also grammatical errors and inefficiencies. (Do you really need all three cases? Did you really need proof by contradiction?)