

## THEOREMS ON CONTINUITY

For the assigned theorem, please do the following:

- (1) State the theorem
- (2) Explain, in your own words, what the theorem tells us.
- (3) Give an explicit example to illustrate the theorem.
- (4) Delete a hypothesis of the theorem, and show that the conclusion need not hold.
- (5) Give some sort of explanation or argument as to why this theorem should be true.
- (6) Carefully read through the author's proof, filling in any missing explanations as you go.