Homework 1, 140.721, 2017
Due Tuesday, September 12 at 3PM

Directions:
For all of the problems, you need to prove your answer.
You may use any theorems in your proofs, but be sure to cite any theorems you use.
**Please be clear, complete, and concise.** Each problem part (e.g., 2.ii.)
should require at most a paragraph of writing.
Please submit your solutions electronically via Courseplus using the Drop Box
feature.