

*Transition to Advanced Mathematics: assignments 1-4*

There will be one proof to turn in over each of the next four class days. In groups of exactly four people, use the following method:

- 1) Everyone come up with a proof on your own.
- 2) Meet in a space with a board (such as the library or math lab)
- 3) Come up with another proof in a round-robin manner. (For example Alice writes one statement on the board. Then Bob writes a statement. Then Carol, then Dan, and then back to Alice)
- 4) Discuss the proof, fix the mistakes, and make it make sense. (Seriously, discuss it! If it doesn't make sense to you, it surely will not make sense to me)
- 5) Designate one person to record the proof you came up with. On his/her own that person should then prepare a version to submit, and make any additional changes as necessary.