20 points on the Midterm. Morally Due Nov 5

(Usual rules- can hand in on Nov 7.)

NOTE: This needs to be TYPED, though you can (and should) draw pictures (by hand if you are not good at doing it in word processing) as need be. I want it TYPED so that if I later ask you to re-do it, it will be easy to edit. Also easy for me to read. This will be worth 20 points on the midterm.

1. (0 points) What is your name? Write it clearly. Staple your HW. When is the first midterm? When is the final?

2. (10 points) Give a discrete envy-free protocol for $n = 5$. It should follow my notes closely with two exceptions: (1) You WILL need to change some parameters. This is very important— if you don't do that then its just wrong. (2) You can omit things like *here is an ATTEMPT at a protocol that does not work* that are in my notes.

3. (10 points) Give a discrete envy-free protocol for general n. It should follow my notes closely with two exceptions: (1) You WILL need to change some parameters (they may now depend on n.) This is very important— if you don't do that then its just wrong. (2) You can omit things like *here is an ATTEMPT at a protocol that does not work* that are in my notes.