Midterm

*Friday, April 30, 10:00 am, in class, one page of notes allowed.*

Please write your name, student ID number, TA, and section day/time, on your answer pages.

Short answer questions. Answers should be written in 4-5 sentences. For each part, please indicate clearly which 2 questions you have chosen to answer.

1. [50 points] Answer 2 of the following 3 questions:
   a. What was the intent of the negotiations carried out in Copenhagen in December, 2009, and what were the shortcomings of the final outcome?
   b. Demographers say that a birth rate of about 2.1 children per couple will result in a stable population. Explain a likely reason why China adopted a much lower one-child-per-couple policy in 1978. What are the unintended negative consequences of such a policy?
   c. How do cap-and-trade emissions policies compare with carbon tax policies? Identify at least one advantage and one disadvantage for each.

2. [50 points] Answer 2 of the following 3 questions:
   a. What are *three* reasons why the availability of freshwater in southern California might change as a consequence of global warming?
   b. High-latitude regions, including Greenland and Antarctica, are experiencing rapid global warming. Despite the fact that these regions have little agriculture and few residents, why are people still concerned about high-latitude warming? Identify at least *two* reasons.
   c. Identify *two* ways in which the Green Revolution can be seen to have benefited the environment and *two* ways in which it can be seen to have harmed the environment.