Due upon arrival at class, or by class end on Monday, June 6, 2011

- Assignment to be completed individually.
- Submissions will receive full marks only if the solution is complete, correct, and well-written.
- Write the question at the top of the page. Show your work; give your answer in a sentence.

Problem 7.3.4 from the text:

Minimize Cost Suppose a car dealer has showrooms in Atherton and Berkeley and warehouses in Concord and Dublin. The cost of delivering a car is \$60 from Concord to Atherton, \$45 from Concord to Berkeley, \$50 from Dublin to Atherton, and \$35 from Dublin to Berkeley. Suppose that the showroom in Atherton orders seven cars and the showroom in Berkeley orders four cars. Suppose also that the warehouse in Concord has six cars and the warehouse in Dublin has eight cars available. Find the best way to minimize cost, and find the minimum cost.

Let x be the number of cars delivered from Concord to Atherton and y be the number of cars delivered from Concord to Berkeley. Then $7 - x$ is the number of cars delivered from Dublin to Atherton and $4 - y$ the number of cars delivered from Dublin to Berkeley.