

# CE 203 Civil Engineering Synthesis I

## Spring 2006

Assignment 5  
Due March 10

### Instructions:

As usual, remember that only one person records the homework. Either send an electronic version of your solutions to this assignment as an attachment to an email to the grader, Rosemary Hamlin (rmeagleone@msn.com), by 5:00 PM on Friday, March 10 or give a hardcopy to Prof. Rehmann in 374 Town Engineering Building.

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18. Solve problem 2-8 in the textbook (*Engineering Economic Analysis* by Newnan, Eschenbach, and Lavelle).
19. Solve problem 2-37 in the textbook. Plot the cash flow diagram as in the figure on p. 52.
20. Solve problem 3-1 in the textbook.
21. Solve problem 3-4 in the textbook.
22. Solve problem 3-9 in the textbook.
23. Consider problem 3-11 in the textbook.
  - a. Solve it and show your work.
  - b. Pretend you are Marty Smith's financial advisor and write a business letter to him advising him on which payment plan to accept. Follow the guidelines on pp. 39-42 of the CCEE Technical Communication Guide. Think about what Mr. Smith really need to know (and doesn't need to know).
24. Solve problem 3-13 in the textbook.