

Newberger, College Algebra 112-10, Spring 2005

**Homework: Functions II.**

Due Tuesday, April 19

Make your homework, neat, organized and easy to read.

- I. A. Read composition of functions page 271.
  - B. Make sure you can do problems #17-22 page 276. Do not turn in your work for all of these problems. Write up #17 and #20 page 276 to turn in. Include the formulas for both  $f$  and  $g$  on your homework, in addition to your work.
  - C. Make sure you can do problems #23-28 page 276. Do not turn in your work for all of these problems. Write your answers to problems #24, 25 and 28 on page 276 to turn in.
  - D. Make sure you can do problems #29-40 on page 276. Do not turn in your answers to all of these problems. Write up problems #30 and #40 on page 276 to turn in. Simplify your answers, but be careful! Refer to the rules and examples in section P7. Pay particular to dividing by fractions (page 53) and simplifying compound fractions (page 54).
- II. A. Read Section 3.7.
  - B. Make sure you can do problems #7-16 page 286. These should be really easy! Do not turn in your answers to these problems.
  - C. Make sure you can do problems #21-26 page 286. Do not turn in your answer to all of these problems. Write up #24 and #28 page 286 to turn in.
  - D. Make sure you can do problems #31-50 page 286. Do not turn in your answers to all of these problems. Write up #34 and #38 page 286 to turn in.
  - E. Do problem #66 page 287. Draw the given graph on your homework, before doing the problem. It will be a lot easier for you if you use graph paper; if you do not use graph paper, draw very carefully.