

Newberger College Algebra for the Sciences Spring 05

Homework: Quadratic motion and domains

Due: Tuesday, April 5

- I.
 - A. Read “The Domain of a Function,” page 219.
 - B. Do problems #39, 41, 43, 45, 47 and 49 on page 222. Check your answers in the book and correct them if necessary. Ask if you do not agree with the answer in the book.
 - C. Write a couple of sentences explaining how you figured out your answer to number 49.
- II.
 - A. Read Example 7 page 104.
 - B. Read problems 87 and 88 on page 107. For each of the two problems, draw a picture of the person dropping the ball, with the height labelled. Do the two problems.
 - C. Do problem 89. Draw a picture of the ball going up and down, similar to the one found in Example 7. For each part, explain in words what you are doing with the given number. For example in part (a), you might write, we are given a height of 24ft, so I will put 24 in for $h(t)$, and solve for t . In some parts, you might get two answers, but only one of them works. Explain why in words.