

## Portfolio List for SMTH 122

### April 2005

Remember that your portfolio grade counts the weight of an hour test at semester's end and that **all errors should be corrected on the second copy in your final portfolio.** These items should be **bound in a three-ring binder in the order specified.**

#### Part I

1. Graphing activity 1: "A runner starts her workout..."
2. Linear Modeling, Part I, ver. 2 - see PBI site.
3. Writing assignment: "Describe a situation in which you have encountered...slope. Specify independent and dependent variables."
4. Microwave activity (part of Least Squares Line activity, PBI site)
5. Cutting a Sandwich activity (PBI site)
6. Circumference of a Circle (Big Tire)
7. Slope of the Secant
8. Graphic Example of Driving
9. Take Another Look, p. 68.
10. Activity added to section 2.6 homework: Rate of change from historical data
11. "Marginal Cost and Revenue" group activity.

#### Part II

This section is for your tests and practice tests. Make sure your corrections follow each entry.

#### Part III – Extra Credit Section (optional)

1. Number 23, page 218, without calculator. Show all work.
2. Number 35, page 218. Show all your work and explain your reasoning.
3. Explain, in a word-processed page or two, what the Fundamental Theorem of Calculus is and why it is "fundamental". Be sure to give credit to any sources you use in preparation of this assignment.
4. "Interested in Credit Cards" activity from PBI site