Homework 1

Due: Friday, Jan 24, 2003

- **Textbook Problems:** 2.48 [for (a), don't calculate the mode], 2.54, 3.3, 3.8, 3.14, 3.24

- The data for 2.48 and 2.54 can be downloaded from the Data page under the course webpage.

- Find the number a which minimizes the sum of squares

$$\sum_{i=1}^{n}(y_i - a)^2,$$

where $y_1, \ldots, y_n$ are n measurements.

[Hint: $a = \bar{y}$.]