AME 20231
Homework 2
Due: Friday, 22 January 2010, in class

1. 2.46
2. 2.69
3. 2.83
4. 2.98E
5. 2.114; Use *any* language or application with which you are familiar (C, C++, NQC, Matlab, Maple, Mathematica, Fortran, Ada, Cobol, Pascal, Basic,...). Post your source code on your web page in a prominent place so the grader can download it and check if it runs. Write your code so that it can handle an *arbitrary* temperature increment, not just a temperature increment of 10 degrees. This will likely require that you use a loop in your program. Paste a single computer-generated sample plot of your output to your homework. Be sure to label your axes and include units on your axes.

   If you don't know how to make a home page, I will give a short explanation in class. It takes about five minutes. If you want to do this on your own, you can go to the AME 20231 homepage, documents section. Once there, *right* click on the file `Template` for the file `index.html`. The next step is important. Save the file as `index.html` in your `afs` space *in* the directory `www`.

   You will also need to do some steps for local ND security. You will need to have a file named `.htaccess` living in your `www` folder in your `afs` space. The contents of the file `.htaccess` are one simple line which must appear exactly as:

   ```
   Options +Indexes
   ```

   This is documented in too much detail at

   `http://oit.nd.edu/web/enable_indexes.shtml`

   but what I wrote above should be enough.

   You will then have a homepage that works.