

## Homework IV

**Due** *Wednesday February 6, 2008* by 2 pm.

**Read** Chapter 13.

**Problems:**

1. Write a paragraph on one industrial problem in which convective heat transfer is important. Cite your references.
2. How would you estimate (either numerically or experimentally)  $h$  when you blow on your cup of coffee to cool it?
3. 12.1
4. 12.4
5. 12.8
6. 12.13
7. 12.59
8. 12.60