

Homework II

Due *Wednesday January 23, 2008* by 2 pm.

Read Chapter 11.

Problems:

1. Write a paragraph on one real-world design problem (not the one in the book) in which transient heat transfer is important. Cite any references you use.
2. How long does it take to roast a beef tenderloin to medium-rare? State any assumptions and approximations that you make.
3. 11.1
4. 11.2
5. 11.3
6. 11.7
7. 11.13
8. 11.23