

Problem Set #1

ENEE 426, Spring 2008

Due: Wednesday, February 11

Complete the following problems from the textbook (5 points each):

1. Problem 1.7
2. Problem 1.8
3. Problem 1.14
4. Problem 1.16
5. Problem 1.23
6. Problem 2.2
7. Problem 2.11
8. Problem 2.12

Complete the following additional problem (10 points each):

9. Read the paper “End-to-End Arguments in System Design” by Salter, Reed, and Clark (Google search on paper title will reveal PDF copies). Describe how you think the ideas in this paper have influenced the design of the modern Internet, specifically with regard to the reliable transport aspects of TCP/IP. I’m not looking for an essay – just a paragraph or two.
10. From your computer, run the trace route command (from Windows, open a command prompt and type “tracert <computer>”) to trace the route to “www.google.com” and “www.umd.edu”. Include the trace results with your assignment. How many intermediate routers are between you and google, and you and umd? How many of the initial hops are the same? Can you identify the ISP and NSP?