CMPE 150 – Winter 2009

Pre-Lab 3

Review: Configuring Interfaces
2. Review Section 5.6.2 (Tannebaum) pages 436 to 444 on IP Address

Questions:
1. Write the syntax for ifconfig that sets the IP address to the interface eth0 to 128.143.2.3/20.
2. What would be the filter command in ethereal to color or display only frames sent by a given MAC.
3. You are capturing packets using ethereal on a switched segment of a network that has 10 hosts that are all communicating with each other. What will be similar about all the packets that you capture? Will you capture all traffic on the network? Why or why not?
4. What are the dotted decimal representations of netmasks of length 24 and 28? If a host has an IP address of 10.0.1.149, what host number is this host if the network has a 24 bit netmask? What is the host number if the netmask length is 28 bits?
5. What is the domain name you can use to Telnet into the computer you are working on?