- 1. If your HTTP browser normally works fine, but on a given day doesn't, what are three things you would check, and how would you do so?
 - (a) Do you have a network connection? Use if config to determine that you have an eth0 and that it is up and running.
 - (b) Can you see your local network? Try pinging a local IP address?
 - If that works, try pinging an address off your local network? If that (c) doesn't work, use *route* or *netstat* -r to display the routing table and insure that you have a gateway router defined.
 - (d) If all of this works, check your iptables to see if the netfilter is preventing either the outgoing or incoming traffic.
- 2. For each of the following, specify its use:
 - (a) ifconfig to set or display MAC-level network parameters such as IP address, network mask, etc.
 - this file contains the domain of the system, the list of name server (b) /etc/resolv.conf to use and the the list of domain names to search for an address the is not fully qualified.
 - this file contains the boot time configuration data for (c) /etc/sysconfig/network work, including the gateway address, the hostname of the and whether networking should be enabled at boot time.
 - (d) traceroute a program that returns the path taken to reach a destination from the source host and includes a sample of roundtrip packet times.
 - (e) tcpdump src host 192.192.192.192 dst host 202.202.202 this command output interface that has the gi

- (f) netstat -r outputs the routing table for the system.
- outputs the DNS data for bingo.clowns.org mail server re (g) dig bingo.clowns.org mx it finds the DNS server for this domain or host and ther any associated mail (mx) records.
- (h) /boot/vmlinuz-2.4.20-8 a kernel image to be loaded into memory at boot time.