**Ex33andEx46Chp5**

**Exercise 33-Chapter 5**

A router has the following (CIDR) entries in its routing table:

**Address/mask Next hop**

135.46.56.0/22 Interface0

135.46.60.0/22 Interface 1

192.53.40.0/23 Router 1

Default Router 2

For each of the following IP addresses, what does the router do if a packet with that address arrives?

1. 135.46.63.10
2. 135.46.57.14
3. 135.46.52.2
4. 192.53.40.7
5. 192.53.56.7

**Exercise 46-Chapter 5**

Use the traceroute (UNIX) or tracert (Windows) programs to trace the route from your computer to various universities on other continents. Make a list of transoceanic links you have discovered. Some sites to try are

www.berkeley.edu (California)

 www.mit.edu (Massachusetts)

www.vu.nl (Amsterdam)

www.ucl.ac.uk (London)

www.usyd.edu.au (Sydney)

 www.u-tokyo.ac.jp (Tokyo)

www.uct.ac.za (Cape Town)