A completed pre-lab needs to be turned in at the beginning of the lab session.

**Required Reading**

**A.** It’s important you study the lab handout and do the pre-lab. (especially Part A & D’s Introductions)

**B.** Routing protocols (Textbook: RIP [4.5.1], Security 7.1, Firewalls 7.6.1)

1. For **this** lab, where is subnet 192.168.100.0? What is LAN A’s subnet number and what is its subnet mask?

2. How would you set up a static routing table entry in Group A’s router (give the complete **ip route** command) so that Group A can access Group B? (Refer to Part B – Step 6 of lab handout).

3. What will Router A’s routing table initially look like? What will Router A’s routing table eventually stabilize to? (Using section 4.5.1 from text, format answer like Figure 4.3.0 in text)

4. Search RFC 1058 to find the value of infinity: __________

   (please turn over)
5. What strategy would you use to set up an access list? (Would you use more specific rules or more general rules in the beginning? It might help to think of the security implications.)

6. Write an access list rule that disallows users on PC1 in the lab to browse web servers outside of LAN A. (Refer Part D of the lab handout)