

# Networking Questions

Using the *PC Essentials I, Chap 8* and the internet answer the following questions.

1. What is a LAN? MAN? WAN?
2. What are the ranges of the three private IP addresses groups?
3. When setting up your own LAN why should you use these private IP addresses and not just any IP address?
4. What is the use of the PING command? Explain how you would use it.
5. How would you check if your network card is working using PING?
6. What is the use of the command IPCONFIG ?
7. Explain the differences between the following networking devices:
  - a. Hub
  - b. Switch
  - c. Router?
8. Find three examples of different switches you could purchase.

For each be sure to find the following:

Brand/model, price in CDN \$, where you are purchasing from, wired/wireless, how many connections/ports, speed, features

9. Find three examples of different Routers you could purchase.

For each be sure to find the following:

Brand/model, price in CDN \$, where you are purchasing from, wired/wireless, how many connections/ports, speed, firewalls, features