Name: _____ Date:_____

Northampton Community College
CISC271 – CCNA 3 & 4 – WANs and Security
Chapter 1 - Study Guide

1. Which layers of the OSI model do WANs operate at?

2. List some devices that you would find in the "cloud".

3. What is an access server?

4. Describe the following:
    a. TDM

    b. ISDN

    c. PSTN

    d. CIR

    e. CSU/DSU

5. What L2 address does Frame Relay use?

6. What is a PVC?

7. What is ATM? What size in bytes is the payload?

8. Explain the advantages and disadvantages of the following WAN connection types:

    a. Analog PSTN

    b. Frame Relay PVC

    c. Cable broadband connection

9. What is a VPN?

10. What is a DTE? A DCE?

11. Explain the differences between circuit switching and packet switching.

12. Describe the three layers of the hierarchical design model.

13. How does a WAN differ from a LAN?