NAME:	DATE:	
Northampton Community College		
CISC267 – CCNA 2 - Chapter 6	Study Guide	

- 1. What is CIDR? What are the advantages of CIDR?
- 2. What mask would be the most efficient for a point-to-point connection?
- 3. Summarize the following groups of addresses:
 - a. 192.168.8.0/30

192.168.8.4/30

192.168.8.8/30

192.168.8.16/29

b. 192.168.16.0/23

192.168.18.0/24

192.168.19.0/24

c. 192.168.20.0/22

192.168.24.0/22

192.168.28.0/22

- d. Can you summarize all of the addresses above?
- 4. What Routing protocols are considered classless?
- 5. What is VLSM?
- 6. What are the advantages of using VLSM?
- 7. What classful networks are summarized with the following addresses:
 - a. 192.168.0.0/20
 - b. 192.168.64.0/20
 - c. 192.168.32.0/22

8.		the following hosts, identify the appropriate subnet mask that conserves ddresses.
		30 hosts
	b.	60 hosts
	c.	500 hosts
	d.	120 hosts
	e.	2 hosts
9.	If 4 bit	ts are borrowed from a class C network, how many useable hosts are there?
10.	Which	routing protocols support VLSM?
11.		the following subnet and hosts, how many unused hosts will there be in
		ubnetwork: 10.1.1.0/26 with 12 hosts
		10.1.1.0/24 with 100 hosts
	c.	10.5.16.0/20 with 1000 hosts
12.	What	is the broadcast address for the each of the following:
		192.168.1.65/27
		10.1.5.0/24 172.16.5.0/26
	C.	172.10.3.0/20
13.	What i	is a supernet?
14.	Identif	By AND DEFINE some primary network connectivity testing commands.