

Name: \_\_\_\_\_

Section: 2003 4001 4004 6002

**HW #9**

IC 322 – Computer Networks

Due: 18 Oct

This homework assignment is to be completed individually. You may ask your classmates for help, but **all work must be your own**. In the case of discussion questions, cutting and pasting sentences from web sites is plagiarism and is not acceptable.

Answer the following questions from Chapter 4 in your textbook. Write neatly.

1. Given the IP v4 host address: 172.16.55.12/20

Fill in the following table with both decimal and binary:

	Decimal (e.g. 255.255.255.255)	Binary (e.g. 11111111.11111111.11111111.11111111)
Subnet mask		
Network Address		
Broadcast Address		
First available IP Address		
Last available IP Address		
Max number of clients on subnet*		

\* Hint - do not count broadcast or network addresses as clients

4R21)

4R22)

4R23)

4P28)

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Z				