###### *CSE 473 – Introduction to Computer Networks*

Review Questions 14

##### ***Your Name****:*

##### 

Please print out this form (two-sided, if you can) and write your answers *legibly* in the spaces provided. If you can’t write legibly, type.

1. Which of the following IP addresses are “matched” by the address prefix 123.234.99.10/20?

123.235.31.10 123.234.95.23 123.234.102.10 123.456.140.10

1. Suppose a host receives 10 IP packets with the same source address and the id field in these packets are: 3, 7, 8, 8, 8, 7, 9, 13, 3, 13. How many distinct packets were sent by the original host?
2. Consider a router with a 10 Gbps output link that is receiving an aggregate input rate consisting of one 5 Gbps flow and ten 1 Gbps flows. What throughput does each flow get if they share a common queue? How does this change if there are 11 queues, one for each flow, that are served in round-robin fashion?