Review Questions 5

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

2. Suppose a host receives 10 IP packets 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?

3. Consider a router with 10 Gb/s links and designed for use in wide area networks with typical round-trip times of 200 ms. If the router has 16 links, how much memory is required for packet buffers, assuming each buffer is dimensioned according to the standard rule-of-thumb.