# Lab 2 - Wireshark I

|  |
| --- |
| * This is an individual assignment, and worth 20 points. * The due date and time is 4:00 Thur, September 14 (Sec 01) / 7:00 Thur, September 14 (Sec 76). * Naming convention is as follows: homework, hypen, last name, first initial, and extension (e.g., Lab1-Outcome-ImG.docx). If you do not follow the convention, I will deduct 1. * Use “gen-googlemaps.pcap” (NOT gen-googleopen.pcap) for the assignment. |

1. What are the IP and MAC addresses of the router (gateway) to which the client forwards a packet?

- IP address: 192.168.0.1

- Mac address: 00:13:46:cc:a3:ea

1. What IP addresses are available to support the inquiries to maps.google.com? Which one was picked by the client?

- Available IP addresses:

74.125.19.147

74.125.19.104

74.125.19.105

74.125.19.99

74.125.19.106

74.125.19.103

- Selected IP address: 74.125.19.147

1. In the first TCP packet, what is the MAC address of the destination?

00:13:46:cc:a3:ea

1. What are the absoulte sequence and acknowledgement numbers of the ACK packet observed during the first three-way handshaking (use packet # 7)?

- Absoulte sequence number: 4228839243

- Absoulte acknowledgement number: 3100896923

1. What ports are used for the TCP communication (use packet #5)? List the ports that the client (source) and the server (dest) used.

- The port # (client used): 3012

- The port # (server used): 80