

**Name:**

## 430/530 - Traceroute Lab

Answer the following questions using complete sentences. You may use outside sources to help you formulate responses; however, all answers should be in your own words, and sources should be cited.

### DNS Query Activity

	<b>Original Website URL</b>	<b>Original Website IP Address</b>	<b>Discovered IP Address</b>	<b>Machine Name of Discovered IP</b>
<b>Example</b>	www.google.com	172.217.6.4	172.217.6.36	sfo03s08-in-f4.1e100.net.
<b>1</b>				
<b>2</b>				
<b>3</b>				
<b>4</b>				
<b>5</b>				

Screen Capture – DNS query

Screen Capture – Reverse DNS query

Q1: Attacker using nslookup/dig

## Packet Routing

Screen Capture – traceroute/tracert

Q2: \* \* \* traceroute results

## Network Diagram

Answer the following questions from the lab using complete sentences.

Q3: traceroute/tracert output

Q4: Geographical location

Q5: Routers in the network

Q6: Dynamic routing

Upload your network diagram here.