## Networks Homework 8

## Problem A

a.) Interface 1: 172.20.0.1 Interface 2: 192.162.30.79 Host A: 172.20.0.2 Host C: 172.20.0.4 Host B: 172.20.0.3

b.) (1.) S: 172.20.0.3, 4587 D: 34.182.19.20, 80 2) S: 192.162.30.79, 5001 D: 34.182.19.20, 80

3) 5:34.182.19.20,80 D: 192.162.30.79 5001

D: 172.20.0.3, 4567

## Problem B =

a.) no only the Hop IP addresses are

b) 216.58.217.4 and it is public

C) www.google. (on is the alias name and the other address is the Canonical name

D.) 10 routers

e) Initial TTL is 7 and the destination is Still 216.58.217.4

fo) The router Sends ICMP messages with the following info:

Type: 11, Code: 0, Source: 192.43.217.170,

destination: Your Computer's IP address:

9.) The final TTL is 1 and the dest. It is the webserver's.

It then Sends ICMP messages back with the followy info:

type: 3, Code: 3, Source: 216.58.217.4,

destination is your Conquer's IP address

## Problem C

link 1: (1) IPV6 (2) IP1 (3) IP10

link 2: (1) IP V4 (2) IP 3 (3) IP8

link 3: 1 IPU4

Nink 4: 1 IPU4 2 IP3 3 IP8

(2) IP 3 (3) IP8

links: 1 Ilu6

@ IP10