

Review Questions 11

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. Use the *nslookup* command to determine the IP address of `shell.cec.wustl.edu`, `oasis.cec.wustl.edu` and `google.com`. Write down the first IP address returned for each domain name.

2. Which is preferable from the perspective of a DNS server for a top-level domain, iterative processing, or recursive processing. Explain why.

Which is preferable from the perspective of a local DNS server? Why?

3. Suppose you wanted to send a DNS query packet to determine the IP address of shell.cec.wustl.edu. What values would you put in the various fields of the DNS packet? What would you expect to see in the response packet?