

TCP/IP Quiz 3 Slant Networks & Subnetting Practice Jerry Scott

1. Complete the following table of network addresses, for the CIDR block **177.15.69.99/27**.

Host	Netmask	Step	First Network
177.15.69.99/27			
Net ID	First Host	Last Host	Broadcast

2. Complete the following table of network addresses, for the CIDR block **135.27.54/22**.

Host	Netmask	Step	First Network
135.27.54/22			
Net ID	First Host	Last Host	Broadcast

3. Given the class B network **175.15.0.0/16**, suppose you wanted to subnet this network so that **you would have 75 subnets**.

- What is the subnet mask and step? _____
- How many hosts/subnet would you have? _____
- What is the first network you have available? _____
- Give the four addresses for that network

Net ID _____ First Host _____

Last H _____ B-C _____

4. Given the class B network **175.15.0.0/16**, suppose you wanted to subnet this network so that **you would have 50 hosts/subnet**.

- What is the subnet mask and step? _____
- How many hosts/subnet would you have? _____
- What is the first network you have available? _____
- Give the four addresses for that network

Net ID _____ First Host _____

Last H _____ B-C _____