Assignment
TCP/IP and Subnet Masking

	This video tutorial focuses on the components and concepts in a Transmission Control Program/Internet Program (TCP/IP) network. Here, you will learn how TCP/IP works. Specific subjects include TCP/IP addressing and subnet masking.
www.EliTheComputerGuy....	Topics include: • TCP/IP Protocol Suite Overview • How TCP/IP works • Subnets and Subnet Masking • Routable and nonroutable protocols • Default Gateways

Table 1 *Eli the Computer Guy's TCP/IP and Subnet Masking.*

You can find this video tutorial at:
https://www.youtube.com/watch?v=EkNq4TrHP_U

Instructions
For this Assignment, you will first view the TCP/IP and Subnet Masking tutorial. After viewing the tutorial, answer the following questions. Once you have completed your answers, post them to your online portfolio. After you have placed your work into your portfolio, then post your portfolio's URL to our class discussion group.

Questions
1. What is TCP/IP version 6?
2. What version of TCP/IP will we focus on?
3. What does it mean when we say that TCP/IP is actually a protocol suite?
4. What is a routable protocol?
5. In TCP/IP what is windowing?
6. How many bits does an IP v4 address have?
7. In TCP/IP, what is the default gateway?
8. What does a Domain Name Server do?
9. What is Network Address Translation (NAT)?
10. In a TCP/IP address, what is an octet?
11. What is the purpose of a subnet mask?
12. What would the subnet mask be if you wanted to use 8 bits for the network address and 8 bits for subnets?
13. When was the last time that class full addressing was commonly used?
14. What replaced class full addressing?