## Quiz #3

Total points 10

1.Question 1

Which TCP/IP model layer takes a large chunk of data from the Application layer and breaks it into smaller segments?

**Transport**

2.Question 2

Class C netbits. Which of the following netbit subnet values is the default for IPv4 Class C addresses?

**/24**

3.Question 3

How many host addresses can the following IP and subnet mask support: 192.168.1.0 /24

**254**

4.Question 4

Which subnet mask allows you to restrict your IP address pool to no more than 30 IPv4 addresses?

**255.255.255.224**

5.Question 5

What is the binary value for the decimal number 17?

**00010001**

6.Question 6

For the address 172.23.64.0/18, how many hosts are included in each subnet?

**16382**

7.Question 7

What is the subnet mask for the following network address: 192.168.240.0 /22

**255.255.252.0**

8.Question 8

Select the decimal equivalent for the binary value: 11110100

**244**

9.Question 9

What is the decimal equivalent of the following binary value: 00111111

**63**

10.Question 10

True or False. IPv4 uses 32 bits for network addressing and IPv6 uses 128 bits for network addressing.

**True.**