Homework 5

CIDR Networking Practice

# Goals

* Gain practice in determining important information about CIDR IP addresses

Rubric

* 1 point for each IP address below

# Procedure

For the IP addresses listed below in CIDR notation determine the following pieces of information.

* Subnet Mask
* Network Address
* Broadcast Address
* First Address
* Last Address
* Number of Hosts
* Number of Subnets
* Usable Address Range

While we cannot stop you from using a subnet calculator in order to find the solutions to these problems (and I encourage you to use them to double check your answers) you will almost certainly need to do this on the final, so I suggest performing the calculations by hand.

1. 1.1.1.1/1
2. 1.1.1.1/3
3. 1.1.1.1/21
4. 10.7.23.17/14
5. 172.16.74.29/3
6. 192.168.42.7/18
7. 249.249.249.249/19
8. 123.234.219.198/27
9. 119.132.159.222/7
10. 142.245.172.210/10

# Turnin

* Submit a homework5.txt file containing the above information.