Tentukan subnetmask, subnet, host, blok subnet, dan pada subnet keberapa IP address berikut. Sertakan tabel subnetting yang anda buat

- 192 . 168 . 30 . 87 /26
- 172 . 16 . 195 . 3 /17
- 10 . 70 . 10 . 150 /10

1. 192.168.30.87 /26 (IP kelas C)
   - Subnet Mask : 11111111 . 11111111 . 11111111 . 11000000
     255 . 255 . 255 . 192
   - Subnet : $2^2 = 4$
   - Host : $2^6 - 2 = 62$
   - Blok subnet : 256 – 192 = 64 (0, 64, 128, 192)

   IP 192.168.30.87 terletak pada blok subnet ke – 2

IP Network	192.168.30.0	192.168.30.64	192.168.30.128	192.168.30.192
IP Awal	192.168.30.1	192.168.30.65	192.168.30.129	192.168.30.193
IP Akhir	192.168.30.62	192.168.30.126	192.168.30.190	192.168.30.254
IP Broadcast	192.168.30.63	192.168.30.127	192.168.30.191	192.168.30.255

2. 172.16.195.3 /17 (IP Kelas B)
   - Subnet mask : 11111111 . 11111111 . 10000000 . 00000000
     255.255.128.0
   - Subnet : $2^1 = 2$
   - Host : $2^{15} - 2 = 32766$ host
   - Blok Subnet : 256 – 128 = 128 (0, 128)

   IP 172.16.195.3 terletak pada blok ke – 2

IP Network	172.16.0.0	172.16.128.0
IP Awal	172.16.0.1	172.16.128.1
IP Akhir	172.16.127.254	172.16.255.254
IP Broadcast	172.16.127.255	172.16.255.255

3. 10.70.10.150 /10 (Kelas A)
   - Subnet Mask : 11111111 . 11000000 . 00000000 . 00000000
     255.192.0.0
   - Subnet : $2^2 = 4$
   - Host : $2^{22} - 2 = 4194302$
   - Blok subnet : 256 – 192 (0, 64, 128, 192)
     IP address terletak pada subnet ke - 2

IP Network	10.0.0.0	10.64.0.0	10.128.0.0	10.192.0.0
IP Awal	10.0.0.1	10.64.0.1	10.128.0.1	10.192.0.1
IP Akhir	10.63.255.254	10.127.255.254	10.191.255.254	10.255.255.254
IP Broadcast	10.63.255.255	10.127.255.255	10.191.255.255	10.255.255.255

213.30.14.75
70.8.8.10

10.70.10.150 /10
IP Network 10.64.0.0
IP Host 10.64.0.1 – 10.127.255.254
IP Broadcast 10.127.255.255