IP Addressing #3

1. You are a new technician at Cisco in Austin. Router "Austin 101" at a remote sight is down. Before you leave you ask the administration for information about "Austin 101". He tells you that Austin 101 is connected to the main router via network 128.250.240.128 on interface S1, there are two Ethernet LANs connected from Austin 101. He can't remember their subnets except they are "subnet 256" and "subnet 355" of the main "B" network. The subnet mask divides the network into 1024 subnets.

   What are the Ethernet subnet numbers connected to Austin 101?
      Subnet 256 =
      Subnet 355 =

   What are the host ranges of those subnets?
      Subnet 256 =
      Subnet 355 =

   What are the broadcast addresses of those subnets?
      Subnet 256 =
      Subnet 355 =

   What is the subnet mask?

2. Draw a diagram showing the logical networks in the following WAN description. The major network is **154.17.0.0**, there are **20 bits of subnet masking**. Site 1 has two Ethernet LANs, e0 and e1 and a WAN connection to Site 2. Site 2 has two Ethernet LANs, e0 and e1 and a WAN connection to Site 1. The WAN connection is subnet 6, Site 1 LAN connections uses subnet 2 and subnet 4 and Site 2 LAN connections uses subnet 8 and subnet 10.

   What is the subnet mask?

   Label and assign addresses to this network.