Reflection Questions:

1. Yes, most of them are copper straight through cables but the laptops are connected wirelessly and the Router and Switch1 is connected with a copper cross over cable
2. No, not that I could tell, it didn’t affect the data at all
3. It dropped the MAC and IP addresses
4. It does not seem to care what the MAC or IP addresses are so it discards them and sends the packets to all the devices connected to it
5. No it doesn’t seem alter the data sent through it
6. No they were not
7. The highest layer that the Hub and Access Point used is layer 1
8. No they did not
9. The Destination address appears first
10. The destination is more relevant to the device as it doesn’t care where it came from it just wants to know where to send it to
11. All the MAC addresses start with 00? That’s the only pattern between them I can tell
12. No they did not
13. They changed at the Router, because the router has two different MAC addresses
14. The Router
15. The PC’s and Laptop’s, not the switches or the hub/access point
16. Yes, when the ping reaches the destination and turns back around
17. Yes, when it reaches the destination
18. The IP addresses that start with 172.16.31 is the Desktops and the ones that start with 10.10.10 is the Laptops
19. Because two networks are on the same port then they are no longer the different networks but instead the same network
20. Other than each device would have IPv6 addresses, nothing would be different