Wireshark lab

Part 1:

1. d0:ab:d5:7e:a1:58

2. 34:6b:46:6b:66:5e, no the destination address is not gaia.cs.umass.edu's Ethernet address. That address belongs to router which is a Sagemcom router and is the link to get off the subnet.

3. The hexadecimal value is 0x0800 which corresponds to the IP protocol.

4. The ASCII "G" appears 52 bytes from the start of the Ethernet frame.

5. 34:6b:46:6b:66:62, no the destination address is not gaia.cs.umass.edu's Ethernet address. The address belongs to my router which is a Sagemcom router and is the link to get off the subnet.

6. d0:ab:d5:7e:a1:58, yes it's my computer's Ethernet address.

7. The hexadecimal value is 0x0800 which corresponds to the IP protocol.

8. The ASCII "O" appears 52 bytes from the start of the Ethernet frame.

Part 2:

9. Source: 34:6b:46:6b:66:5e, Destination: ff:ff:ff:ff:ff:ff

10. The hexadecimal value is 0x0806, this corresponds to ARP.

11. The "target MAC address" is set to 00:00:00:00:00:00 to query the IP address 192.168.1.1.

12. The answer to the ARP request is 20 bytes from the beginning of the ARP response.

13. Source: 34:6b:46:6b:66:5e, Destination: d0ab:d5:7e:a1:58.