

Question 1a:

Question 1b:

Direct calculation:

Question 3a:

|  |  |
| --- | --- |
| ARP table in 111.111.111.110 | |
| IP address | MAC address |
| 111.111.111.111 | 74-29-9C-E8-FF-55 |
| 111.111.111.112 | CC-49-DE-D0-AB-7D |

|  |  |
| --- | --- |
| ARP table in 222.222.222.220 | |
| IP address | MAC address |
| 222.222.222.221 | 88-B2-2F-54-1A-0F |
| 222.222.222.222 | 49-BD-D2-C7-56-2A |

Question 3b:

|  |  |
| --- | --- |
| Source IP address | 222.222.222.222 |
| Destination IP address | 111.111.111.111 |
| Source MAC address | 49-BD-D2-C7-56-2A |
| Destination MAC address | 1A-23-F9-CD-06-9B |