

## Tutorial 13 Solution

### Question 1

(a)

2,500 frames/sec

(b)

2,492 frames/sec

### Question 2

The querying host does not know the MAC address corresponding to the IP address.

The responding host knows the MAC address of the querying host.

### Question 3

(a)

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
222.222.222.222	49-BD-D2-C7-56-2A
222.222.222.221	88-B2-2F-54-1A-0F

(b)

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