Q.1

ARP = 42 bytes = 336 bits.

ICMP = 98 bytes = 784 bits.

Q.2

The arp request asks who has a certain address and says where the message is coming from.

The arp response sends it's address to the address that sent the request.

Q.3

Ethernet II = Link

Internet protocol = Internet

Q.4

    a. 14 bytes = 112 bits
    b. 20 bytes = 160 bits
    c. 16 bytes = 128 bits

Q.5

I didn't get the size of the addresses because I didn't have the bar at the bottom of the screen that shows them.

Mac addresses

Src: d6:9f:b0:bf:d4:54

Dst: 7a:0a:15:e6:6e

Q.6

IP addresses

Src: 10.10.10.1

Dst: 10.10.10.2

Q.7

data = 48 bytes = 384 bits

Q.8

frame – data = 98 – 48 = 50 bytes = 400bits

Q.9

It is used to error check the message

Its size is 2 bytes = 16 bits

Q.10

They are matched using the addresses of the sender and recipient and the message protocol.