**Q.1**
ICMP, ICMPv6 and ARP

**Q.2**
Src: 7e:fa:a3:39:e5:d8, Dst: 4e:ed:24:62:82:22

**Q.3**
Src: toolbox1 and Dst: toolbox 2

**Q.4**

No

**Q.5**

The information is broadcast to all devices connected to the hub.

**Part B:**

**Q.1**

TCP, ARP, STP, ICMP, ICMPv6, TLSv1.2, MDNS, DNS, HTTP, OCSP

**Q.2**

34.107.221.82

**Q.3**

Yes

**Q.4**

Yes, it can also see this.

**Part C:**

**Q.1**

DHCP

**Q.2**

To configure devices on IP networks

**Q.3**

They don't just broadcast to every device on the network, they choose which device gets which message.

**Part D:**

**Q.1**

It has 3 addresses, self, toolbox1 and toolbox 2.

**Q.2**

It has a new row added for toolbox 3.

**Q.3**

It adds toolbox 3 to the table, because it now knows that toolbox 3 is part of the network.