Quiz12_2 Check Your Understanding - Broadcast Containment

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* Indicates required question

Student number & Your name *

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1. The destination MAC address of an Ethernet broadcast in hexadecimal is: * 1 point

○ 1111.1111.1111

○ FFFF.FFFF.FFFF

○ 48 one bits

○ 48 F digits

2. When an Ethernet switch receives a frame that is broadcast, it will: *   1 point

○ Forward the frame out only ports that need the broadcast

○ Forward the frame out all ports including the incoming port

○ Forward the frame out all ports except the incoming port

○ Drop the frame

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3. Host-A has an Ethernet frame to send to Host-B on the same network.   * 1 point
Host-A knows the IP address of Host-B but not its MAC address. What
message will Host-A send to determine the MAC address of Host B?

○ ARP discovery

○ ARP reply

○ ARP request

○ ARP broadcast

4. An ARP request is sent out as: *   1 point

○ a unicast, so only the device with the proper IP address will receive it

○ a broadcast, so all devices on the same network will receive it

○ a broadcast, so all devices on the network and other networks will receive it

○ a unicast, so only the device with the proper MAC address will receive it

5. Host-B receives an ARP request. Host-B will return an ARP Reply if: *   1 point

○ The IP address in the ARP request matches its own IP address.

○ The IP and MAC addresses in the ARP request matches its own IP and MAC
addresses.

○ The MAC address in the ARP request matches its own MAC address.

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6. Host-A sends an ARP request and receives an ARP reply from Host-B. * 1 point
What is in the ARP reply that Host-A did not know and needs to
communicate with Host-B?

○ Host B's MAC address

○ Host B's IP and MAC addresses

○ Host B's IP address

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