**MARYMOUNT UNIVERSITY**

**Assignment:** IT520; Enterprise Infrastructure and Networks

**Assigned:** April 03, 2018

**Instructor:** Dr. Ibrahim Waziri

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IP Address of source host: **192.168.1.3**

A screenshot of a cell phone

Description generated with very high confidence

**QUESTIONS**

1. What is the MAC address from your computer?

**ANSWER:** 34**:**02:86:8a:1e:c0

A screenshot of a social media post

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1. What is the destination MAC address?

**ANSWER:** f8:e4:fb:1c:8a:63

A screenshot of a social media post

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1. What device has the MAC address shown in the destination?

**ANSWER:** The home router which is the first hop in the network

A screenshot of a social media post

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1. Explain the relationship between the destination MAC address and the destination IP address

**ANSWER:** Destination MAC address (f8:e4:fb:1c:8a:63) consists of letters and numbers which make it a hexadecimal notation and 6-byte address. This MAC has been strictly regulated specifically to the Actionte device adapter in such a way that no other device could have the exact same number.

The IP address (128.119.245.12) is a unique 32-bit string of numbers separated by periods that identifies each computer using the Internet Protocol to communicate over a network.

1. Full ARP list table from the “cmd” command in the windows

A close up of a logo

Description generated with high confidence