NAME:

DATE:

## Northampton Community College CISC271 – CCNA 3 & 4 - Chapter 6 Study Guide

- 1. What are some of the benefits of using trunks with sub-interfaces on a router?
- 2. What is meant by the term "router-on-a-stick"?

3.

Use the table above to answer the following questions:

- a. How many VLANs are there?
- b. How many interfaces are being used?
- c. How many sub interfaces are being used?
- d. What are the VLAN numbers?
- e. What will the router do with a packet received from 192.168.1.51 destined for 192.168.1.124? Be specific.
- 4. How is ARP handled when using sub-interfaces (inter-VLAN routing)?
- 5. What parameters must be configured when configuring VLANs on a single router interface?
- 6. What commands would cause a switchport interface to be configured for trunking?
- 7. What is the minimum interface bandwidth required to support inter-VLAN Routing?