

Homework: Network. VLANs

1. In a LAN, which of the following terms best equates to the term VLAN?
 - A. Collision domain
 - B. Broadcast domain**
 - C. Subnet
 - D. Single switch
 - E. Trunk
2. Imagine a switch with three configured VLANs. How many IP subnets are required, assuming that all hosts in all VLANs want to use TCP/IP?
 - A. 0
 - B. 1
 - C. 2
 - D. 3**
 - E. You can't tell from the information provided.
3. Switch SW1 sends a frame to switch SW2 using 802.1Q trunking. Which of the answers describes how SW1 changes or adds to the Ethernet frame before forwarding the frame to SW2?
 - A. Inserts a 4-byte header and does change the MAC addresses
 - B. Inserts a 4-byte header and does not change the MAC addresses**
 - C. Encapsulates the original frame behind an entirely-new Ethernet header
 - D. None of the other answers are correct