Assignment Virtual Networking

For this Assignment, you will complete several of "Professor Messer's" Video Tutorials. Each of these tutorials is relatively brief. And each tutorial covers a specific topic. Professor Messer's home page is at:

http://www.professormesser.com/

This Assignment consists of five question sets based upon five tutorials.

Tutorial	Description
Using a Virtual Machine	Introduction to virtual computing including an overview of two virtual computing products.
Virtual Desktops and Servers	How virtualization technology can be used to virtualize both desktops and servers. Includes introduction to hypervisors and related concepts.
Virtual Switches	Briefly explains what happens to communication devices when virutalizing.
Network as a Service	Moving to a cloud based environment includes the virtualization of the network.
Onsite vs. Offsite Virtualization	Here we compare and contrast onsite and offsite virtualization.

Table 1 *Professor Messer Virtual Networking Tutorials*

Question Sets Instructions
These questions, organized by tutorial, are meant to serve as a guide for your studies. Post the questions and your answers to your online portfolio.

It is suggested that you view each of the tutorials. However, if you would like to challenge the tutorials and just complete the questions, as long as you complete the questions correctly, that is also an acceptable option.

Please complete and post the assignment by the date of the next exam.

CompTIA A+ 220-701: 3.0 – Using a Virtual Machine
http://www.professormesser.com/free-a-plus-training/220-701/using-a-virtual-machine/
1. Compare and contrast the terms host and guest operating system.
2. Name two different types of virtual machine software suitable for Windows based computers.
3. When you plan to run a VM on a Windows Laptop, what two resources are considered especially critical?
4. Why might you want to turn your installation disks into ISO files?
5. In a virtual machine context, what is a snapshot?

CompTIA Network+ N10-005: 1.9 – Virtual Desktops and Servers
1. What is a Hypervisor?
2. What is a Type 1, Bare Metal Hypervisor?
3. What is a Type2, Hypervisor
4. Name three advantages of virtualization.

CompTIA Network+ N10-005: 1.9 – Virtual Switches
1. What impact does changing from a physical environment to a virtual environment have on the network components?
2. Describe a challenge associated with virtualizing your network components.

CompTIA Network+ N10-005: 1.9 – Network as a Service
1. Explain what the term Network as a Service (NaaS) means.
2. Name four advantages of Network as a Service (NaaS).

CompTIA Network+ N10-005: 1.9 – Onsite vs. Offsite Virtualization
1. Name three advantages of onsite virtualization
2. Name three disadvantages of onsite virtualization.
3. What does the term "Virtualize in the cloud" mean?
4. Name four advantages of offsite virtualization.
5. Name two disadvantages of offsite virtualization.