Name:_____ Date: _____

CTS1132 Lab 3.1

Create bootable USB flash drive with Windows 7 install files to create dual boot installation with Windows XP on hardware PCs in K-09

Items needed

1. Anti-static strap.
2. USB flash drive of at least 4 GB with no files that need to be saved.
3. MS USB/DVD tool
4. Windows 7 .iso file on K-10 PCs
5. 2 hardware PCs in K-09
6. grub4dos.zip file on a second USB flash drive

In K-10, Create bootable USB drive with Windows 7 install files

1. Put USB flash drive of at least 4 GB with no files that need to be saved.
2. Start MS USB/DVD tool.
3. Choose Win7.iso file **C:\Virtual Machines\ISO\...Win7....iso**
4. Remove USB

In K-09, choose 2 hardware PCs

1. Bring up **donor** K-09 hardware PC to XP desktop to make sure XP works correctly.
2. Bring up **target** K-09 hardware PC to XP to desktop to make sure XP works correctly.
3. Shut down both and unplug.
4. Put on static strap.
5. Open **donor** hardware PC and document SATA port number of SATA data cable connection.
6. In **donor** hardware PC, remove SATA HDD and SATA data cable.
7. Open **target** hardware PC and install SATA HDD and SATA data cable to SATA port 5 on motherboard.
8. On **target** hardware PC, put bootable USB flash drive in rear USB port.
9. Turn on **target** hardware PC and go in to CMOS setup.
10. Under drives, set SATA 5 to ON, save and exit.
11. Hit F12 to boot to USB
12. Complete a custom installation of Windows 7 on the donor HDD (disk 1, partition 1).
13. Boot to Windows 7.
14. Have instructor initial completion here _____.
15. Return **donor** SATA HDD and SATA data cable to SATA port documented in step 5 on motherboard.

16. Turn on **donor** hardware PC and choose recovery partition to restore XP on **donor** hardware PC. Accept default PC name and password.
17. Have instructor initial completion here _____.
18. Turn on **target** hardware PC and copy grub4dos.zip to a folder on the XP desktop.
19. Run grubinst_gui.exe
20. Click the "Disk" radio button, and then select the HD 0.
21. Under "Part List" click "Refresh" to populate the partitions on the HD that you selected
22. From the dropdown menu, select "Whole Disk (MBR)
23. Click "Install" at the bottom
24. Restart the **target** hardware PC to verify a successful restore of MBR.
25. Have instructor initial completion here _____.