1. Which of the following are journaling filesystems (Select all answers that apply):

- [ ] **vfat**

- [x] **XFS**

  ✓ **Correct**
  XFS is a journaling filesystem

- [x] **btrfs**

  ✓ **Correct**
  btrfs is a journaling filesystem

- [ ] **VFS**

- [ ] **squashfs**

- [x] **ext4**

  ✓ **Correct**
  ext4 is a journaling filesystem

2. For a filesystem to be mounted at boot:

- ○ It must be listed in **/proc/filesystems**

- ○ It must be listed in **/etc/mounts**

- ○ It must be mentioned in the mounting scripts in **/etc/init.d**

- ● It must be listed in **/etc/fstab**

  ✓ **Correct**
  This is correct

3. When mounting a filesystem, it may be specified by any of the following methods (Select all answers that apply):

- [x] Kernel configuration option

⊗ **This should not be selected**
This is not true

☐ Alias mentioned in **.bashrc**

☐ Label

☑ UUID

    ✓ **Correct**
    Such as **UUID=471dfeba-3ec7-4529-8069-2afe50762c22**

☑ Device node

    ✓ **Correct**
    Such as **/dev/sda2**

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4. LVM stands for:

    1 / 1 point

◯ Last Memory Vanished

◯ Large Volatile Memory

◯ Little Virtual Murders

⦿ Logical Volume Management

    ✓ **Correct**
    LVM stands for Logical Volume Management

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5. Loopback filesystems (Select all answers that apply):

    1 / 1 point

☑ Have slower performance than just having a native filesystem

    ✓ **Correct**
    The layer of pass through a native filesystem can only hurt

☐ Are never used in production systems

☑ Can be useful for testing filesystem features

✓ Correct

It is faster to set up since partitions do not have to be created, but it is not good for testing performance