EECS 768 Virtual Machines
Questions List for Chapters 1

1. Explain the advantages and disadvantages of interfaces.

2. What is the difference between abstraction and virtualization?

3. Define and explain virtualization. Give an example of a virtualization that does not provide abstraction.

4. Explain the significance of the following interfaces: (a) ISA, (b) ABI, and (c) API. What Virtual Machines are defined at the above interfaces?

5. Define process VM and system VM.

6. What is the possible purpose of a PVM with identical source and target ISAs?

7. What is the difference between a *classic* and *hosted* system virtual machine?

8. Explain co-designed VM with an example.

9. How does an Operating System provide virtualization?

10. How is *whole system* VM different from a *classic* VM?