

## CSE 451 Homework Assignment #1

Out: Thursday, March 30, 2000

Due: Wednesday, April 5, 2000

#1. In a plain, run-of-the-mill, protected architecture, list at least three different ways (or machine level instructions) that a user mode program uses to transfer control to the kernel.

#2. A lot of the older OS systems have to be custom built for the exact hardware configuration they are to run on (e.g., the number of terminal drivers is fixed). Some of the newer OS systems (particularly in the PC realm) can dynamically alter their state as hardware is added and removed. Give at least one compelling advantage for building systems the old-fashioned way.