# Homework 1 (again

* Compare the pros and cons of a monolithic kernel and a microkernel.
* What are the two main functions of an operating system?
* What are the differences between a trap and an interrupt?
* Describe the steps an OS must take to process an interrupt.
* Explain briefly the three ways to transition from user mode to kernel mode.
* How can I/O devices notify OS the completion of jobs? Please list three ways.