**Homework 1**

**2.1 What is the purpose of system calls?**

The purpose of system calls is so programmers and applications can access hardware capabilities without actually interfacing with the hardware. System calls also prevent programmers from causing any security issues that can arise from making direct contact with their code if it were possible. Without system calls programmers would have to write assembly code to do something like reading a file or copying a file.

**2.2 What are the five major activities of an operating system with regard to process management?**

**2.13 Describe three general methods for passing parameters to the operating system.**

Three general methods of passing parameters to the operating system are:

* Passing them to registers
* Store in a block and pass the address of the block into the register as a parameter
* Parameters can be pushed onto the stack and popped off by the operating system