HW9.6. OS: True or False

Q1.1: Which of the following statements are true about OS?

- ☐ (a) The OS is often one of the first programs to run on bootup.

- ☐ (b) The OS allows multiple programs to be run simultaneously.

- ☐ (c) The system runs with at least two levels of permission; a "User" level which most programs use (and which is limited in how it can affect the system), and a "Supervisor" level, which has more permissions.

- ☐ (d) A majority of the OS is run in "Supervisor" mode.

- ☐ (e) User processes generally have full control of the Virtual Memory system.

- ☐ (f) Users can access "Supervisor"-only operations through system calls; the OS then picks up those system call requests and runs them, generally after validation.

- ☐ (g) The OS can interrupt running processes, saving its state, in order to run another process. This is known as a "context switch".

- ☐ (h) Due to the heavy overhead of a context switch, the OS generally does not force a context switch; most processes run in their entirety without any context switch.

Select all possible options that apply. ❓

Save & Grade *20 attempts left*   **Save only**   *Additional attempts available with new variants* ❓