1. What is the difference between a job and a process?
2. What are signals? Name a way a user can send a signal to a process.
3. Describe how you would:
   (a) suspend the foreground job
   (b) move a suspended job to the background
   (c) bring back a suspended job to the foreground
4. What is a zombie process, and how can you kill it?
5. What does the following crontab entry mean?
   
   00,30 09-17 * * 1-5 find /tmp -atim +30 -exec rm -f {} \

6. Create a crontab entry to execute a script called backup.sh, located in your homedir, run at 1:00am every Monday and Friday. *Clarification: You don't write the actual backup.sh script, we just want the crontab entry you would have.*
7. How can you find the PID of your shell you are currently using without ps?
8. What’s init’s PID? What about its PPID?
9. What happens when a process’s parent dies if:
   (a) That process was started with `nohup` (lookup nohup), and back-grounded
   (b) That process was just running in the background
10. What is init’s PID? What about it’s PPID? Does init have a parent?
11. Devise a simple pipeline that counts the number of processes currently running on your system
12. When wouldn’t kill -9 work?