Task 2&3: I was not able to get my environment up and running, I am using a machine with AMD hardware and no graphics card. I only can see one device on the ubuntu terminal:

```
nike@DESKTOP-OJMI3JB:~$ clinfo
Number of platforms
                                                                        Clover
  Platform Name
  Platform Vendor
  Platform Version
                                                                        OpenCL 1.1 Mesa 23.2.1-1ubuntu3.1~22.04.2
  Platform Profile
                                                                        FULL_PROFILE
  Platform Extensions
                                                                        cl_khr_icd
  Platform Extensions function suffix
                                                                       MESA
  Platform Name
                                                                       Clover
Number of devices
NULL platform behavior
  clGetPlatformInfo(NULL, CL_PLATFORM_NAME, ...) Clover
  clGetDeviceIDs(NULL, CL_DEVICE_TYPE_ALL, ...)
                                                                       No devices found in platform [Clover?]
  clCreateContext(NULL, ...) [default] No devices found in platform clCreateContextFromType(NULL, CL_DEVICE_TYPE_DEFAULT) No devices found in platform clCreateContextFromType(NULL, CL_DEVICE_TYPE_CPU) No devices found in platform clCreateContextFromType(NULL, CL_DEVICE_TYPE_GPU) No devices found in platform clCreateContextFromType(NULL, CL_DEVICE_TYPE_GPU) No devices found in platform
  clCreateContextFromType(NULL, CL_DEVICE_TYPE_ACCELERATOR) No devices found in platform
  clCreateContextFromType(NULL, CL_DEVICE_TYPE_CUSTOM) No devices found in platform clCreateContextFromType(NULL, CL_DEVICE_TYPE_ALL) No devices found in platform
ICD loader properties
  ICD loader Name
                                                                        OpenCL ICD Loader
                                                                       OCL Icd free software
  ICD loader Vendor
  ICD loader Version
                                                                        2.2.14
  ICD loader Profile
                                                                       OpenCL 3.0
 ike@DESKTOP-OJMI3JB:~$ |
```

And when compiling the code, I would get the error below:

```
mike@DESKTOP-OJMI3JB:/mnt/c/Users/micha/Documents/DSU FILES/CSC 410 PARRALELL COMPUTING/A6$ gcc matrixOCL.c -IOpenCL mike@DESKTOP-OJMI3JB:/mnt/c/Users/micha/Documents/DSU FILES/CSC 410 PARRALELL COMPUTING/A6$ ./a.out Failed to find openCL device Error: -1 mike@DESKTOP-OJMI3JB:/mnt/c/Users/micha/Documents/DSU FILES/CSC 410 PARRALELL COMPUTING/A6$
```

From what I have read, the processor in this older laptop may not support OpenGL however I have a program that may or may not work, but I was able to get it to compile.