EECE.4810/EECE.5730 Spring 2018: Exam 1 Reference Material

Question 1b, 1c, 1d (definitions for programs *pr1* and *pr2*)

```
pr1:
int v1 = 10;
                                       int main(int argc, char **argv) {
                                         pid_t pid;
int main() {
  int v2 = 20;
                                         pid = fork();
  char str[10];
  pid t pid;
                                         if (pid == 0)
                                            printf("C2: %s\n",
  pid = fork();
                                                     argv[1]);
                                         else if (pid > 0) {
  if (pid == 0) {
     v1 = 30;
                                            wait(NULL);
     v2 = 40;
                                            printf("P2: %s\n",
  }
                                                    argv[1]);
  pid = fork();
                                         return 0;
  if (pid == 0) {
     sprintf(str, "%d", v1 + v2);
     execlp("./pr2", "pr2", str,
             NULL);
  }
  else if (pid > 0) {
     wait(NULL);
     printf("P1: %d %d\n", v1, v2);
  return 0;
```