Suzanne M. Hell

1) GDB can be used
   a) to find out the memory leakages
   b) to get the result of a particular expression in a program
   c) to find the reason of segmentation fault
   (d) a, b, and c

2) Which GDB command can be used to put a breakpoint at the beginning of the program?
   (a) b main
   b) b file.c:0
   c) b start
   d) break

3) Which operator returns the memory address of a variable?

   A. asterisk (*)

   (B) ampersand (&)

   C. percent sign (%)

   D. exclamation point (!)

4) A long integer pointer can be properly initialized by (Choose all that apply)
   (A) the address of a long integer variable
   (B) the value of an integer variable
   C. the value of a floating point variable
   (D) the address of a short integer variable

5) What are the differences between "step" and "next" gdb commands?
   Step allows you to step into a function.
   next steps over the function.

6) Use gdb to debug the following program. Include in your answer: 1) identify the buggy
   line and explain what the bug is, 2) Include all the commands including shell/gcc
   commands and gdb commands that you used to find the bug.

```
#include<stdio.h>
#include<stdlib.h>
void fill(int *arr){
    int *array=malloc(2*sizeof(int));
```

Keep on getting error on gdb: not in executable format:
File format not recognized.