

## CSSE 332 -- OPERATING SYSTEMS

## Debugging with gdb

Name: \_\_\_\_\_

**Question 1.** (10 points) For each of the `gdb` commands below, write down the description of what the command does.

`n` \_\_\_\_\_  
\_\_\_\_\_

`b 5` \_\_\_\_\_  
\_\_\_\_\_

`s` \_\_\_\_\_  
\_\_\_\_\_

`until 16` \_\_\_\_\_  
\_\_\_\_\_

`continue` or `c` \_\_\_\_\_  
\_\_\_\_\_

`p var` \_\_\_\_\_  
\_\_\_\_\_

`p/x var` \_\_\_\_\_  
\_\_\_\_\_

`x ptr` \_\_\_\_\_  
\_\_\_\_\_

`watch expression`

---

---

`info b`

---

---

`info local`

---

---

`where or bt or  
backtrace`

---

---

`f 1`

---

---

**Question 2.** (5 points) Assume we have built a binary called `program.bin` and we would like to launch this program in the `gdb` debugger. What command would you issue on the shell to do so?

**Question 3.** (10 points) Please write down two **sentences** describing two new things that you learned in this session.

**Question 4.** (10 points) Please write down two things that you are still not very clear about, or any questions that you might have that the session did not go over or did not cover well.