

**Homework #8**  
**Debugging**  
**Due In Lab, November 17, 2004**

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

Lab Time: \_\_\_\_\_

Grade: \_\_\_\_\_/10

**Debugging**

1. If you intend to use gdb, what flag must you use when compiling a program, and what does that flag do? (2 pt.)
  
  
  
  
  
  
  
  
  
  
2. What is a breakpoint? What are breakpoints used for? (2 pt.)
  
  
  
  
  
  
  
  
  
  
3. How are breakpoints implemented by a debugger? There are two correct answers for this question, one for interpretive debuggers, and one for direct execution debuggers like gdb. Either answer is fine. (2 pts.)
  
  
  
  
  
  
  
  
  
  
4. What does “bringing the failure close to the fault” mean, and how does it help you find bugs? (4 pts.)