CS 3733 Operating Systems — Spring 2001
Assignment 3

Name _____

Consecutively number the pages and fill in the index below with page numbers.
Put a check mark in the appropriate place if you thing the part is correct. For the three `ring` programs, explain why you think the output looks the way it does and put the page number for this description below under the heading **output description**.

Description	source page	lint page	test output	output description	check if correct
makefile	_____				
ring1.c	_____	_____	_____	_____	_____
ring2.c	_____	_____	_____	_____	_____
ring3.c	_____	_____	_____	_____	_____
Part 2			_____		_____
Extra Credit			_____		_____

Answer the questions that are on the back of this sheet.

If you think everything you did is correct, check here: _____
Otherwise, give a brief description of what is working and what is not:

Give a short answer here for each of these questions:

1) For `ring.c` where did the prompt appear? Why?

2) For `ring1.c` where did the prompt appear? Why?

3) For `ring2.c` where did the prompt appear? Why?

4) For `ring3.c` where did the prompt appear? Why?

5) What does it mean when the output indicates that the parent of a process has PID 1?

6) Which of your part 2 runs behaved most like `ring.c`? Why?

7) Which of your part 2 runs behaved most like `ring1.c`? Why?

8) Which of your part 2 runs behaved most like `ring2.c`? Why?

9) Which of your part 2 runs behaved most like `ring3.c`? Why?

10) Did any of your part 1 programs behave like the first **Print Not Atomic** run of part 2? Why?

11) Explain the difference in output among the last three runs from part 2.