







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

6. In the Coke machine bounded-buffer produce-consumer problem using semaphores, what operations are performed on counting semaphore emptySlot, which was initialized to 100? (10 points)

7. Deadlock can be prevented if the “mutual exclusion” criterion can be avoided. Explain how printer spooling can avoid mutual exclusion and thus prevent deadlock from occurring. (10 points)

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8. When deadlock is detected in a system, the deadlock can be detected by terminating a process. How is the process to be terminated selected? (15 points)