UNCC, Department of Electrical and Computer Engineering ECGR 2181, Fall 2008, Quiz #10, 11/18/2008

l.	Consider the following clock signal	1:	
		→ a →	
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- Figure 1, Clock Signal
- a. (20 pts.) What is the duty cycle (%) of the waveform in Figure 1, where a=20 ns and b=30ns.
- b. (20 pts.) Assume the waveform is cyclic what is the period and frequency of this wave?
- 2. (60 pts.) Write a finite state machine diagram for a washing machine that one input, a single button that identifies heavily soiled clothing. Regular washing has a wash, rinse and spin cycle, heavily soiled washing has two wash/rinse cycles and one spin. There is a 10 minute timer that identified the end of each cycle.