

### Exercise 3: Electrical and Logical Characteristics of Gates

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Section: 3

Prelab		Point Value	Points Earned	Comments
Prelab	Part 1	10	10	01/26 SM.
	Part 2	10	10	

Demo		Point Value	Points Earned	Date
Demo	Voltage measurements	20	20	01/26 SM.
	Ring oscillator	20	20	01/26 SM.

To receive any grading credit students must earn points for both the demonstration and the report.

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Report		Point Value	Points Earned	Comments
Abstract		3		
Design Methodology	Voltage measurement circuit schematic	4		
	Ring oscillator circuit schematic	4		
Results and Analysis	Voltage tables	4		
	oscilloscope capture(s)	2		
	Delay table	3		
	Delay graph	4		
Conclusion		3		
Questions	Q1	3		
	Q2	3		
	Q3	4		
Writing Composition		3		
Total for prelab, demo, and report		100		