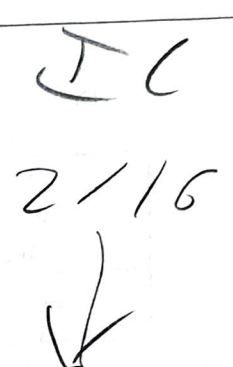


# Exercise 6: Binary Addition and Subtraction Circuits

Student's Name: Oliver Vimarab

Section: 3

Prelab		Point Value	Points Earned	Comments
Part 1	K-maps	2	2	
	Boolean transformations	4	4	
	Correct Boolean expressions	2	2	
	Schematic diagram	4	4	
	Simulations	4	4	
Part 2	Schematic diagram	4	4	

Demo		Point Value	Points Earned	Date
Demo	1-bit full adder	20	20	02/16. SM
	4-bit adder/-subtractor	20	20	02/16 <u>SM</u>

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

### Exercise 6: Binary Addition and Subtraction Circuits

Report		Point Value	Points Earned	Comments
Abstract		4		
Design Methodology	K-maps / Boolean transformations	3		
	1-bit FA circuit diagram	2		
	Discussion of add/subtract control	3		
	4-bit adder/-subtractor circuit diagram	2		
Results and Analysis	1-bit full adder Simulation	2		
	4-bit adder/-subtractor result tables	3		
Conclusion		4		
Questions	Q1	4		
	Q2	2		
	Q3	3		
	Q4	2		
	Q5	3		
Writing Composition		3		
Total for prelab, demo, and report		100		