Cpr E 281 LAB5
ELECTRICAL AND COMPUTER ENGINEERING
IOWA STATE UNIVERSITY

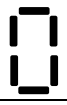
Lab 5 Answer Sheet

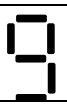
Name and Student ID:_____ **Lab Section:**__

Date:_____

PRELAB:

Q1. Use Figure 1 and the table below to fill in the truth table on the next page.

Z	Y	X	W	Display
0	0	0	0	
0	0	0	1	
0	0	1	0	
0	0	1	1	
0	1	0	0	
0	1	0	1	
0	1	1	0	
0	1	1	1	

Z	Y	X	W	Display
1	0	0	0	
1	0	0	1	
1	0	1	0	
1	0	1	1	
1	1	0	0	
1	1	0	1	
1	1	1	0	
1	1	1	1	

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Z	Y	X	W	A	B	C	D	E	F	G
0	0	0	0	**0**	**0**	**0**	**0**	**0**	**0**	**1**
0	0	0	1							
0	0	1	0							
0	0	1	1							
0	1	0	0							
0	1	0	1							
0	1	1	0							
0	1	1	1							
1	0	0	0							
1	0	0	1							
1	0	1	0							
1	0	1	1							
1	1	0	0							
1	1	0	1							
1	1	1	0							
1	1	1	1							

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Q2. Write the verilog code for the 7-Segment Display Decoder based on the truth table from Q1. You only need to write the skeleton code (i.e., a code which shows only a rough outline and no unnecessary or repetitive details) below.

TA Initials: _____

LAB:

3.0 Lab5step0
Hardware demonstrates a good circuit. TA Initials: _____

4.0 Lab5step1
Hardware demonstrates a good circuit. TA Initials: _____