

# 4

## Digital Logic Combinational Building Blocks

Submission form revision December 30, 2025

I am submitting my own work, and I accept penalties will be assessed against me if I submit work that isn't mine.

### Point Scale

- 4: Exemplary
- 3: Complete
- 2: Incomplete
- 1: Minor effort
- 0: Not submitted

Print Name \_\_\_\_\_

Sign Name \_\_\_\_\_

Date \_\_\_\_\_

Asst. Signature \_\_\_\_\_

Requirements	Pts	x	Wt	=	Score
1. Multiplexor 1		x	2	=	
2. Multiplexor 2		x	2	=	
3. Multiplexor 3		x	2	=	
4. Decoder		x	1	=	
5. Encoder		x	1	=	
6. Shifter		x	2	=	
7. Homework problems		x	2	=	

Total Score (add all rows)

Enter **+5** if one or more weeks early; Enter **-12** if one or two weeks late; Enter **X** if two or more weeks late

Requirements Possible Score

48

Add the two rows above for the Requirements Earned Score  
Enter **0** if more than two weeks late

Challenges	Pts	x	Wt	=	Score
1. 12:1 Multiplexor		x	2	=	
2. Minterm Multiplexor		x	2	=	

Total Score (add all rows)

Enter **+2** if one or more weeks early; Enter **-4** if one or two weeks late; Enter **X** if two or more weeks late

Challenges Possible Score

16

Add the two rows above for the Challenges Earned Score, or  
Leave blank if no challenges submitted, or Enter **0** if more than two weeks late