

Name:

Date:

Class:

Logic Gates III Worksheet

4 Input Logic Gate

In the final lesson on logic, you will create a 4 input logic gate!

This will be of your own design, and can combine any sets of gates, but it must have at least 2 different types of logic gates.

To help you along, we have included the possible input combinations for four inputs, though you will have to write in the “output” based on your design.

Before you turn this in, complete the checklist to make sure you have done everything correctly!

- ☐ Truth Table is Complete with Outputs
- ☐ Logic Gates are drawn accurately
- ☐ Logic has been double-checked
- ☐ Two or more types of gates are used

A	B	C	D	Output
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	
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	