

Name:

Date:

Class:

Beyond Binary Worksheet

Objective: To understand and select the appropriate logic gate based on a given scenario; build the gate; and combine it with others in your group to achieve the required functionality.

1. What is your given scenario? _____
2. What is your role? _____
3. What is your first input? _____
4. What is your second input? _____
5. Complete the table below:

Truth table in words		
Input	Input	Output

6. Describe another scenario using your gate, detailing the inputs and outputs. _____

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7. Create a diagram using logic gate symbols to show how you combined your gates to solve your problem.

8. Create truth tables for each gate to indicate how they work together to solve the problem.

9. How did this experience impact your understanding of how multiple inputs can be used to solve problems? Why is it important? _____
