# Boolean Algebra Worksheet 3

# Examples of Using Logic Gates

Q1. Write down one example of which values (1 or 0) A, B, C or D need to make Q = 1

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|  |  | **Answers** |
| 1 |  | A =  B =  C = |
| 2 |  | A =  B =  C = |
| 3 |  | A =  B =  C = |
| 4 |  | A =  B = |

|  |  |  |
| --- | --- | --- |
| 5 |  | A =  B = |
| 6 |  | A =  B = |
| 7 |  | A =  B = |
| 8 |  | A =  B =  C =  D = |

Q2. Now draw a truth table for each scenario.