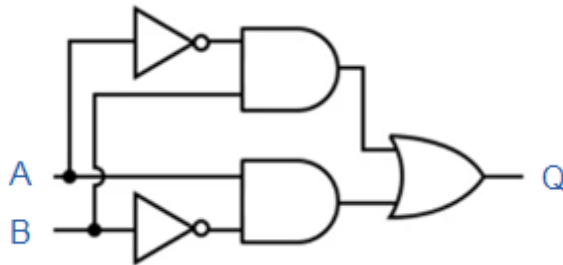


## Functional Mathematics

### Task 7 - Boolean Algebra

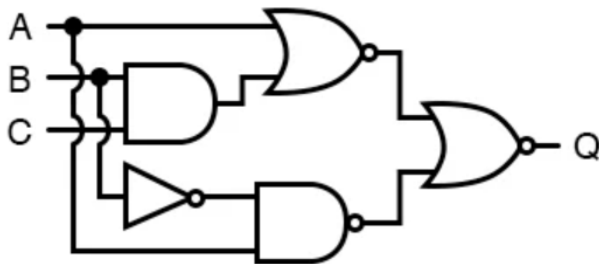
Due date:

1. Construct a Truth Table for the following circuit and identify a single logic gate that can be used to replace the whole circuit.



[5 marks]

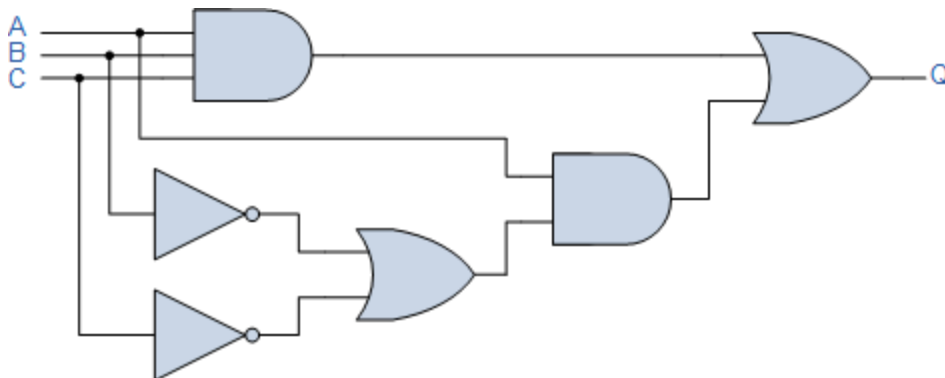
2. Construct a Truth Table for the following circuit.



[5 marks]

### Bonus Task

3. Construct a Truth Table for the following circuit and identify a single logic gate that can be used to replace the whole circuit.



[5 marks]