# Homework 6 Boolean Algebra

1. Simplify the following Boolean expressions.

 (a) [1]

 (b) [1]

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 (c) (AAB + ABB) [1]

2. Simplify the following Boolean expressions, explaining each step.

 (a) [3]

 (b) AB + A (B+C) + B (B + C) [4]

3. (a) Write expressions for P, Q, R and S and T represented in the following logic circuit. [5]



 (b) Simplify the expression T. [5]

 [Total 20 marks]