

Question 1: Boolean Algebra Simplify the following boolean expressions:

1.1. $A \cdot (A + B)$

12. $B + \overline{B}C$

Question 2: DeMorgan's Laws Apply DeMorgan's Laws to the following expressions:

2.1. $\overline{\overline{A}B + \overline{C}}$

22. $\overline{(\overline{A} + B)(C + D)(\overline{E + F}) + G}$

2.3. $ABC + AB\overline{C} + \overline{A}CB + ACB + \overline{(\overline{A}B)(\overline{C})(\overline{D})} + \overline{\overline{A}B + \overline{C}}$