

(ii) Write the Boolean expression from your answer to part a(i) as a simplified sum-of-products. Do **not** carry out any further simplification.

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..... [2]

(b) Simplify the following expression using De Morgan's laws and Boolean algebra.

Show all the stages in your simplification.

$$X = \overline{A+B+C} + \overline{\overline{B}+C}$$

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..... [3]