2: Determine

(i) $\int \frac{1}{\sqrt{4x^2 + 8x + 9}} \, dx$

(3)

(ii) $\int \text{arcosh} 3x \, dx$

(4)

DO NOT WRITE IN THIS AREA
DO NOT WRITE IN THIS AREA
DO NOT WRITE IN THIS AREA

DO NOT WRITE IN THIS AREA
DO NOT WRITE IN THIS AREA
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Question 2 continued

(Total for Question 2 is 7 marks)