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5. Determine

(i) $\int \frac{1}{\sqrt{x^2 - 3x + 5}} \, dx$

(3)

(ii) $\int \frac{1}{\sqrt{63 + 4x - 4x^2}} \, dx$

(4)

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Question 5 continued

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Question 5 continued

Q5

(Total 7 marks)