

- 6 (a) Use algebra to find the coordinates of the points of intersection of the curve with equation $y = x^2 + 2x - 6$ and the line with equation $y = 5x + 4$ (5)
- (b) Use algebraic integration to find the exact area of the finite region bounded by the curve and the line. (5)

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Question 6 continued

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(Total for Question 6 is 10 marks)

