

2 The curve C has equation

$$y = x^3 + ax^2 + bx + 8$$

where a and b are constants.

The gradient of C at the point $(2, 6)$ is 9.8

Find the value of a and the value of b .

Show clear algebraic working.

(5)

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Question 2 continued

Handwriting practice area with horizontal dotted lines.

(Total for Question 2 is 5 marks)

