

DO NOT WRITE IN THIS AREA

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- 3 Write down a formula for the  $n$ th term of the sequence.

7      11      15      19      23

(Total for Question 3 is 2 marks)

- 4 Simplify fully  $(125a^9)^{\frac{2}{3}}$

(Total for Question 4 is 2 marks)

- 5 Given that  $y = 21x^2 - \frac{8}{x}$

find  $\frac{dy}{dx}$

$\frac{dy}{dx} =$  .....

(Total for Question 5 is 2 marks)



P 7 2 4 7 8 A 0 3 2 4