

DO NOT WRITE IN THIS AREA

DO NOT WRITE IN THIS AREA

DO NOT WRITE IN THIS AREA

- 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  $\frac{dy}{dx}$

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

(Total for Question 5 is 2 marks)



P 7 2 4 7 8 A 0 3 2 4