

DO NOT WRITE IN THIS AREA

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11 Make  $x$  the subject of  $\frac{x^3 + a}{c - x^3} = \frac{4}{3}$

$$x = \dots\dots\dots$$

(Total for Question 11 is 3 marks)

12 Given that  $6 \times 5^{3k+4} = 750$   
find the exact value of  $k$ .

$$k = \dots\dots\dots$$

(Total for Question 12 is 3 marks)

