

$$12 \quad \frac{35 \times (\sqrt[3]{25})^{6(2a-3)}}{7 \times 25^{2a+1}} = 5^w$$

DO NOT WRITE IN THIS AREA

DO NOT WRITE IN THIS AREA

DO NOT WRITE IN THIS AREA

Find an expression for w in terms of a
Give your answer in the form $na + m$ where n and m are integers.

(4)

(Total for Question 12 is 4 marks)

TOTAL FOR PAPER IS 100 MARKS

