

10 (a) Express $\frac{\sqrt{98} + \sqrt{18}}{\sqrt{5}}$ in the form \sqrt{a} where a is a number to be found.

Show your working clearly.

(3)

(b) Given that $\frac{\sqrt{27}}{81^{\frac{4}{3}}} \times \sqrt{3} = 3^x$

find the value of x , giving your answer as a fraction in its simplest form.
Show your working clearly.

(3)

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Question 10 continued

Handwriting practice area with horizontal dotted lines.

(Total for Question 10 is 6 marks)

