17 (a) Write 0.0234 in standard form.

....

(1)

(b) Write 2.40×10^5 as an ordinary number.

....

(1)

(c) Calculate, giving your answer in standard form

$$\frac{2.5 \times 10^{101}}{5 \times 10^{-98}}$$

Show your working clearly.

....

(2)

(Total for Question 17 is 4 marks)

18 (a) Simplify $3w^7y^{-3} \times 4w^2y^3$

....

(2)

(b) Simplify $(25x^4)^{\frac{3}{2}}$

....

(2)

(Total for Question 18 is 4 marks)