7. (a) Find the first 4 terms, in ascending powers of x, of the binomial expansion of

$$\left(2 - \frac{3}{4}x\right)^7$$

giving each term in simplest form.

(4)

Given that

$$f(x) = (x + 5)\left(2 - \frac{3}{4}x\right)^7$$

(b) find the coefficient of x^2 in the expansion of $f(x)$

(2)