

8. (a) Find the first 3 terms, in ascending powers of x , of the binomial expansion of

$$\left(2 + \frac{3x}{4}\right)^6$$

giving each term in its simplest form.

(4)

- (b) Explain how you could use your expansion to estimate the value of 1.925^6
You do not need to perform the calculation.

(1)