3 **(a)** Find the first three terms in ascending powers of x of the expansion of $(1 + 2x)^5$. [2]

(b) Find the first three terms in ascending powers of x of the expansion of $(1 - 3x)^4$. [2]

(c) Hence find the coefficient of x^2 in the expansion of $(1 + 2x)^5(1 - 3x)^4$. [2]