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

　　(ii) Hence find the value of the constant a for which there is no term in x^2 in the expansion of $(1 + ax)(2 + 3x)^5$.　　　　　　[2]