3	The function $f(x)$ is given by $f(x) = (1 - ax)^{-3}$, where a is a non-zero constant. In the binomial expansion of $f(x)$, the coefficients of x and x^2 are equal.		nial
	(a)	Find the value of a .	[3]
	(b)	Using this value for a,	
		(i) state the set of values of x for which the binomial expansion is valid,	[1]
		(ii) write down the quadratic function which approximates $f(x)$ when x is small.	[1]