8	(a)	Find the first <b>three</b> terms in the expansion of $(4+3x)^{\frac{3}{2}}$ in ascending powers of x.	[4]
	(b)	State the range of values of x for which the expansion in part (a) is valid.	[1]
	(c)	In the expansion of $(4+3x)^{\frac{3}{2}}(1+ax)^2$ the coefficient of $x^2$ is $\frac{107}{16}$ .	

Determine the possible values of the constant a.