(a)	The curve with equation $y = x^2 + 2x - 5$ is translated by $\begin{pmatrix} -1 \\ 3 \end{pmatrix}$ .
	Find the equation of the translated curve, giving your answer in the form $y = ax^2 + bx + c$ . [3]
<b>a</b> >	
<b>(b)</b>	The curve with equation $y = x^2 + 2x - 5$ is transformed to a curve with equation $y = 4x^2 + 4x - 5$ .  Describe fully the single transformation that has been applied. [2]