Express $7 - 2x^2 - 12x$ in the form $a - 2(x + b)^2$, where a and b are constants.	[2
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	•••••
State the coordinates of the stationary point on the curve $y = f(x)$.	[1
	•••••
	•••••

The function g is defined by $g: x \mapsto 7 - 2x^2 - 12x$ for $x \ge k$.		
(iii)	State the smallest value of k for which g has an inverse. [1]	
(iv)	For this value of k , find $g^{-1}(x)$. [3]	

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