The	e functions f and g are defined for all real values of x by		
	$f(x) = (3x-2)^2 + k$ and $g(x) = 5x-1$,		
who	where k is a constant.		
(a)	Given that the range of the function gf is gf $(x) \ge 39$, find the value of k .	[4	
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		•••••	
		••••••	
(b)	For this value of k , determine the range of the function fg.	[2	

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(c)	The function h is defined for all real values of x and is such that $gh(x) = 35x + 19$.
	Find an expression for $g^{-1}(x)$ and hence, or otherwise, find an expression for $h(x)$. [3]

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