5	5 (a) The function $f(x)$ is defined for all values of x as $f(x) = constants$.		function $f(x)$ is defined for all values of x as $f(x) = ax - b $, where a and b are positive stants.	e
		(i)	The graph of $y = f(x) + c$, where c is a constant, has a vertex at $(3, 1)$ and crosses the y-axis at $(0, 7)$.	
			Find the values of a , b and c .	[3]
		(ii)	Explain why $f^{-1}(x)$ does not exist.	[1]
	(b)	The	function $g(x)$ is defined for $x \ge \frac{q}{p}$ as $g(x) = px - q $, where p and q are positive stants.	
		(i)	Find, in terms of p and q , an expression for $g^{-1}(x)$, stating the domain of $g^{-1}(x)$.	[3]
		(ii)	State the set of values of p for which the equation $g(x) = g^{-1}(x)$ has no solutions.	[1]