

6(a)	State $f(x)$ $y \geq -3$ or clear equivalent
6(b)	Attempt to arrange to $x = \dots$ in terms of y or equivalent
	Obtain $-3 + \sqrt{x+12}$
6(c)	Attempt expression for $gf(x)$
	Obtain $2(x+3)^2 - 29 = 69$
	Attempt solution of quadratic equation to find at least one value of x
	Obtain $x=4$ only
	Alternative Method for Question 6(c)
	Attempt solution of $g(x) = 69$ or evaluation of $g^{-1}(69)$
	Obtain 37
	Attempt solution of $f(x) = \textit{their 37}$ or evaluation of $f^{-1}(\textit{their 37})$
	Obtain $x=4$ only