9	Fun	Functions f and g are defined as follows:		
		$f(x) = (x-2)^2 - 4 \text{ for } x \ge 2,$		
		$g(x) = ax + 2 \text{ for } x \in \mathbb{R},$		
	whe	ere a is a constant.		
	(a)	State the range of f.	[1]	
	<b>(b)</b>	Find $f^{-1}(x)$ .	[2]	
			•••••	
	(c)	Given that $a = -\frac{5}{3}$ , solve the equation $f(x) = g(x)$ .	[3]	

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