7	Fun	ctions f and g are defined as follows:
		$f: x \mapsto x^2 + 2x + 3 \text{ for } x \le -1,$
		$g: x \mapsto 2x + 1 \text{ for } x \geqslant -1.$
	(a)	Express $f(x)$ in the form $(x + a)^2 + b$ and state the range of f. [3]

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Find an expression for $f^{-1}(x)$.	
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Solve the equation $gf(x) = 13$.	
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