9	The	e function f is defined by $f(x) = 2 - 3\cos x$ for $0 \le x \le 2\pi$.	
	(i)	State the range of f.	[2]
	(ii)	Sketch the graph of $y = f(x)$.	[2]

(iii)	State the largest value of p for which g has an inverse.	[1]
(iv)	For this value of p , find an expression for $g^{-1}(x)$.	[2
		•••••
		•••••
		· • • • • • •
		· • • • • •
		· • • • • • •