5	The function f is such that $f(x) = a - b \cos x$ for $0^{\circ} \le x \le 360^{\circ}$, where a and b. The maximum value of $f(x)$ is 10 and the minimum value is -2 .	are positive constants.
	(i) Find the values of a and b.	[3]
	(ii) Solve the equation $f(x) = 0$.	[3]
	(iii) Sketch the graph of $y = f(x)$.	[2]