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Name _____ Score ____ ~5 minutes / A

1.

If $f(x) = x^2 + 10 \sin x$, show that there is a number c such that f(c) = 1000.

	Present neatly. Justify for full credit. No Calculators.				
Name		Score	~5 minutes / F		
1.	f is continuous on [1, 5] and th	e only solutions of	f		
Suppose f is continuous on $[1, 5]$ and the only solutions of the equation $f(x) = 6$ are $x = 1$ and $x = 4$. If $f(2) = 8$,					
•	why $f(3) > 6$.	3 ()			