Using Squeeze Theorem, Prove lim f(x) g(x) =0	given lim + (w) =0
× >c	where Ig(x)15m
	×≠c
$0.1_{3}(x)1 \leq m$	- Civer i
$(3) \log(x) = g(x)$	Mbsolve value
(3) 9(x) & m	Gren
(a) = M	
Q m ≤ g(x) ≤ m	Squeze
$-M \lim_{x \to c} f(x) \leq \lim_{x \to c} f(x) g(x) \leq M \lim_{x \to c} f(x)$ $+ x + c + x + c$	
lim f(x) = 0 x > c	Given
$-m(0) \leq \lim_{x \to c} f(x) g(x) \leq m(0)$ $x \neq c \qquad x \neq c$	
0 \( \( \tau \) \( \ta	
$\lim_{x \to c} f(x) g(x) = 0$	