Squeeze Theorem Worksheet

MATH 2301 (Barsamian)

Generic Hypotheses	Our Specific Hypotheses
the real number a	
the function $f(x)$	
the function $g(x)$	
the function $h(x)$	
verification that functions f , g , h satisfy	
$f(x) \le g(x) \le h(x)$	
when x is near a (except possibly at a)	
Function f has limit $\lim_{x \to a} f(x) = L$.	
Function h has limit $\lim_{x \to a} h(x) = L$.	
Generic Conclusion	Our Specific Conclusion
Function $g(x)$ has limit $\lim_{x \to a} g(x) = L$.	Function(x) =
	$has \ limit \ \lim_{x \to} (x) =$

Generic Hypotheses	Our Specific Hypotheses
the real number a	
the function $f(x)$	
the function $g(x)$	
the function $h(x)$	
verification that functions f , g , h satisfy	
$f(x) \le g(x) \le h(x)$	
when x is near a (except possibly at a)	
Function f has limit $\lim_{x \to a} f(x) = L$.	
Function h has limit $\lim_{x \to a} h(x) = L$.	
Generic Conclusion	Our Specific Conclusion
Function $g(x)$ has limit $\lim_{x\to a} g(x) = L$.	Function $\underline{\hspace{1cm}}(x) = \underline{\hspace{1cm}}$ has limit $\lim_{x \to \underline{\hspace{1cm}}} \underline{\hspace{1cm}}(x) = \underline{\hspace{1cm}}$.

٠

Generic Hypotheses	Our Specific Hypotheses
the real number <i>a</i>	
the function $f(x)$	
the function $g(x)$	
the function $h(x)$	
verification that functions f , g , h satisfy	
$f(x) \le g(x) \le h(x)$	
when x is near a (except possibly at a)	
Function f has limit $\lim_{x \to a} f(x) = L$.	
Function h has limit $\lim_{x \to a} h(x) = L$.	
Generic Conclusion	Our Specific Conclusion
Function $g(x)$ has limit $\lim_{x\to a} g(x) = L$.	Function $\underline{\hspace{1cm}}(x) = \underline{\hspace{1cm}}$ has limit $\lim_{x \to \underline{\hspace{1cm}}} \underline{\hspace{1cm}}(x) = \underline{\hspace{1cm}}$.

Generic Hypotheses	Our Specific Hypotheses
the real number a	
the function $f(x)$	
the function $g(x)$	
the function $h(x)$	
verification that functions f , g , h satisfy	
$f(x) \le g(x) \le h(x)$	
when x is near a (except possibly at a)	
Function f has limit $\lim_{x \to a} f(x) = L$.	
Function h has limit $\lim_{x \to a} h(x) = L$.	
Generic Conclusion	Our Specific Conclusion
Function $g(x)$ has limit $\lim_{x\to a} g(x) = L$.	Function(x) =
	$has \ limit \ \lim_{x \to} (x) =$