Exercise Supple	emental 1: Show that the sequence $(-1)^n$ does not converge.	
Proof.		
Exercise Supple	emental 2:	
(a) Show that fo	or all $n \in \mathbb{N}$, $2^n \ge n$.	
(b) Show that $\lim_{n\to\infty} 1/2^n = 0$.		
Part (a).		
Part (b).		
Exercise 2.2.2:	From the definition, compute the given limits.	
Part (a).		
Part (b).		
Part (c).		
Exercise 2.2.3:	Describe what needs to be shown to disprove the given statements.	
Solution:		
(a)		
(b)		
(c)		
Exercise 2.2.6:	Prove that limits are unique.	
Proof.		
Exercise 2.2.5(a)	a): Determine, with a proof, $\lim_{n\to\infty} [[5/n]]$.	
Solution: Claim: The limit	t is ??.	
Proof.		
Exercise 2.3.9(a	n)(c):	
(a) If (a_n) is a	bounded sequence and $b_n \to 0$, show $a_n b_n \to 0$.	

(c) Prove Theorem 2.3.3(iii) for the case a = 0.

Solution:

(a) *Proof.*

(c) *Proof.*