Exercise Supplemental 1: Show that the sequence $(-1)^n$ does not converge.

Proof.			
Exercise Supplemental 2:			
(a) Show that for 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): Determine, with a proof, $\lim_{n\to\infty} [[5/n]]$.

Solution:

Claim: The limit is ??.

Proof.

Exercise 2.3.9(a)(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) <i>Proof.</i>	
(c) <i>Proof.</i>	