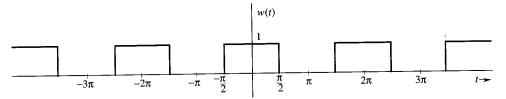
	King Fahd University of Petroleum & Minerals Electrical Engineering Department EE370: Communications Engineering I (072) Quiz 1: Trigonometric Fourier Series	Serial # -1 points for not writing your serial #
	Dr. Ali Muqaibel	
Name: Key	Sec. 3	

Find the compact trigonometric Fourier series for the periodic square wave w(t) shown in the Figure, and sketch the amplitude spectrum.



Solution See Example 2.8 p50 (Lathi textbook)