

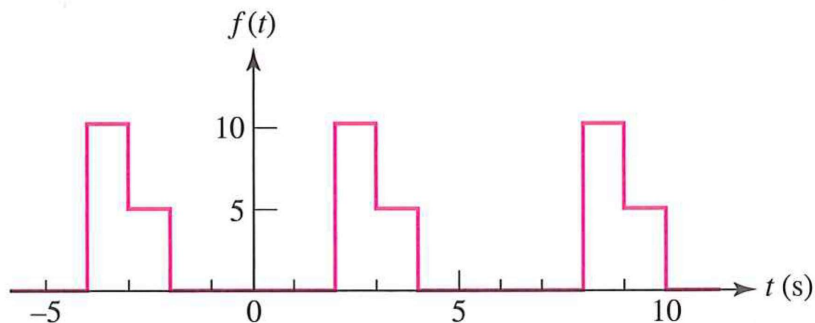
Name:

Student ID:

**Pre-tutorial 12 Questions (to be attempted before class on Oct 18th, 2019)**

**Chapter 18, Ex 12: Trigonometric Fourier Series**

Consider the periodic waveform shown below and then find the parameters shown.



a)  $T$

b)  $f_0$

c)  $\omega_0$

d)  $a_0$

e)  $b_2$

### Chapter 18, Ex. 69: System function

Consider the circuit below. Determine  $v_0(t)$ , the voltage across the inductor, using Fourier transform techniques.

