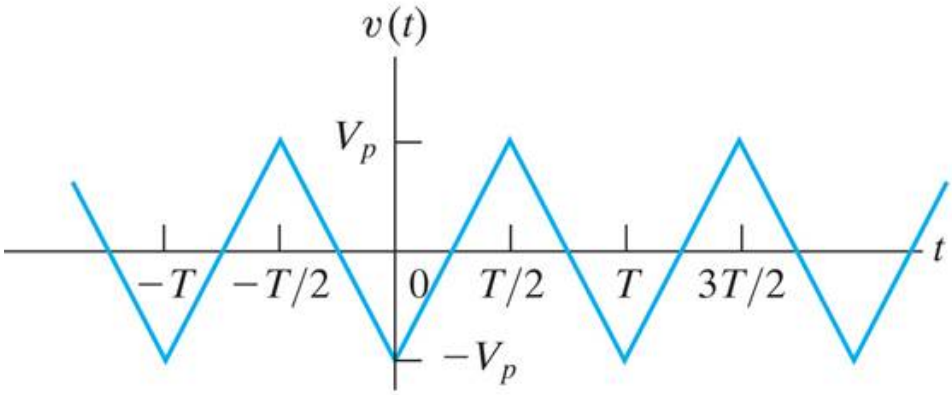
Started on	Wednesday, 1 May 2019, 8:57 AM
State	Finished
Completed on	Wednesday, 1 May 2019, 9:48 AM
Time taken	51 mins 25 secs
Grade	**100.00** out of 100.00

Question 1

Correct

Mark 100.00 out of 100.00



Quiz 11b

Given: The Fourier coefficients for this waveform are

$a_n = -8V_p/(n\pi)^2$ Volts for n odd $b_n = 0$ $V_p = 50$ V T = 5 ms (milli sec)

Write the following terms of this waveform's Fourier series.

a) What is the average value a_v?

a_v = 0 ✓ Volts

Answer the next two questions in the order of magnitude, identify cosine or sine, and the frequency of the sinusoid in radians/sec.

b) Write the expression for n = 1.

$v_1(t)$ = -40.52 ✓ Cosine ▼ ✓ (1256 ✓ t) Volts

c) Write the expression for n = 5.

$v_5(t)$ = -1.62 ✓ Cosine ▼ ✓ (6283 ✓ t) Volts

Correct

Marks for this submission: 100.00/100.00.