Started on	Wednesday, 8 May 2019, 10:54 AM
State	Finished
Completed on	Wednesday, 8 May 2019, 11:34 AM
Time taken	39 mins 26 secs
Grade	**100.00** out of 100.00

Question 1

Correct

Mark 100.00 out of 100.00

Quiz 12a

Given the compact trigonometric form is

$$f(t) = a_v + \sum_{n=1}^{\infty} A_n \cos(n\omega_0 t - \theta_n)$$

The Fourier coefficients for a function f(t) were found to be:

$$a_v = 0 \qquad a_n = \frac{24}{n^2\pi^2} \qquad b_n = \frac{12}{n\pi}$$

Find the following coefficients in the compact trigonometric form for this function.

A_1 = 4.52 ✓ at angle θ_1 = 57.51 ✓ ° (Degrees)

A_2 = 2.00 ✓ at angle θ_2 = 72.34 ✓ ° (Degrees)

A_3 = 1.30 ✓ at angle θ_3 = 78.01 ✓ ° (Degrees)

Correct

Marks for this submission: 100.00/100.00.

◄ Quiz 11 - Chapter 16

Jump to... ▼

Exam 3 (Final) - Bode Diagram, Chapters 14, 15, 16, and Bode Diagrams ►