Not yet answered

Marked out of 1.00

Answer:

 The minimum value of the signal: $x(t) = [524 \Delta(t / 68) + 131 \text{ sgn}(t)] \text{ rect}(t / 408)$ is: (if you ever need it, consider u(0) = 1)

Not yet answered

Marked out of 1.00

Answer:

480.33

Flag
 question

The value of: $x(t) = [524 \Delta(t / 68) + 131 \, \text{sgn}(t)] \, \text{rect}(t / 408)$ at time t = 136 is: (if you ever need it, consider u(0) = 1)

Question $\bf 4$

Not yet answered

Marked out of 1.00

Answer:

Flag question

The signal: $x(t) = [524 \Delta(t/68) + 131 \, \text{sgn}(t)] \, \text{rect}(t/408) \, \text{is? Please answer: 34 if it is "continuous-time", 35 if it is "discrete-time", 36 if it is "continuous and discrete-time", 37 if it is "continuous or discrete-time", 38 if it is "continuous-time sometimes", 39 if it is "discrete-time sometimes", or 40 if it is invalid signal.$

POWEKOUNIT

Not yet answered

Marked out of 1.00

Answer:

 The value of: $x(t) = [524 \Delta(t / 68) + 131 \text{ sgn}(t)] \text{ rect}(t / 408)$ at time t = -17 is: (if you ever need it, consider u(0) = 1)



Answer saved Marked out of 1.00

Answer:

27.34

Flag
 question

Given a point (t1, x1) = (5.5, 92.8) on the linear line x(t) = mt + -57.6, the slope of this linear line is:

Not yet answered

Marked out of 1.00

Flag question

For the signal $x(t) = 20.6 \text{ e}^{(j 40 \text{ t})} \text{ e}^{(-j 0.67)} + 20.6 \text{ e}^{(-j 40 \text{ t})} \text{ e}^{(j 0.67)} - j 15.05 \text{ e}^{(j 10 \text{ t})} + j 15.05 \text{ e}^{(-j 10 \text{ t})} + cos(25 \text{ t}), \text{ the trigonometric Fourier series coefficient b}_{-8} \text{ is:}$ Answer:

Not yet answered

Marked out of 1.00

Flag question

To draw the signal x(32t) you:

- O Shift x(t) to the left by 32
- Expand x(t) vertically by a factor of 32
- Compress x(t) vertically by a factor of 32
- None of the choices
- Ocompress x(t) horizontally by a factor of 32
- Shift x(t) to the right by 32
- \bigcirc Shift x(t) up by 32
- Expand x(t) horizontally by a factor of 32

Not yet answered

Marked out of 1.00

Flag question

For the signal $x(t) = 20.6 \text{ e}^{(j 40 t)} \text{ e}^{(-j 0.67)} + 20.6 \text{ e}^{(-j 40 t)} \text{ e}^{(j 0.67)} - j 15.05 \text{ e}^{(j 10 t)} + j 15.05 \text{ e}^{(-j 10 t)} + cos(25 t)$, the compact Fourier series coefficient c_2 is:

Answer:

Not yet answered

Marked out of 1.00

 The operation x(-t) is known as:

- Amplitude reversal
- Time shifting
- None of the choices
- Amplitude shifting
- Time scaling
- Time reversal
- Amplitude scaling
- Invalid operation



Not yet answered

Marked out of 1.00

 For the signal $x(t) = 20.6 \text{ e}^{(j 40 t)} \text{ e}^{(-j 0.67)} + 20.6 \text{ e}^{(-j 40 t)} \text{ e}^{(j 0.67)} - j 15.05 \text{ e}^{(j 10 t)} + j 15.05 \text{ e}^{(-j 10 t)} + cos(25 t)$, the compact Fourier series coefficient angle that a (in radians between [-3.14159, 3.14159]) is:

Answer:

Finish attempt ...

Question 1 Not yet answered Marked out of 1.00 Flag question

The number (172 + j101.9) is called:

- Invalid number equal 0
- Imaginary number and can be called complex number
- Complex conjugate
- Imaginary number but cannot be called complex number

Complex number only

- Real number and can be called complex number
- Imaginary part but cannot be called complex number
- Real number but cannot be called complex number

Clear my choice

Question $\mathbf{2}$

Not yet answered

Marked out of 1.00

Flag
 question

We mentioned several "Computer Engineering" topics where you will need the mathematical skills acquired in this course. The following is NOT one of them:

Convolutional Neural Networks

Sending video from YouTube

- Image processing
- Parallel processing
- Image recognition
- Cryptography
- Video compression
- Artificial Intelligence

Question 3 Not yet answered 1.00 Flag question

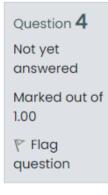
Marked out of

The author(s) of the required textbook for this course are (remember that this is an open book/open notes exam):

- B.P. Lathi and Oktay Alkin
- B.P. Lathi and Roger Green
- Matthew N. O. Sadiku and B.P. Lathi
- Alan S. Willsky and S. Hamid
- Hwei P Hsu and Roger Green
- Charles L. Phillips, John Parr and Eve Riskin

Matthew N. O. Sadiku and Warsame Hassan Ali

Charles L. Phillips and S. Lathi



For $e^{(-(149.7))} = a + i \sin(b)$, the value of b is: Answer:

Not yet answered

Marked out of 1.00

♥ Flag
 question

For the signal $x(t) = rep_157 [106 rect((t-10.99)/54.95)]$, the trigonometric Fourier series coefficient b_3 is:

Answer:

Not yet answered

Marked out of 1.00

 The minimum value of the signal rep_157 [106 rect((t - 10.99) / 54.95)] is: (Please answer -100035 if it is - infinity)

Answer:

Not yet answered

Marked out of 1.00

Answer:

 For $x(t) = rep_157 [106 rect((t-10.99)/54.95)]$, the signal x(t) is positive value for an interval of time equal to (during one period):

POWEKOUNII

Not yet answered

Marked out of 1.00

Answer:

Flag question

For the signal $x(t) = rep_157 [106 rect((t-10.99)/54.95)]$, the trigonometric Fourier series coefficient b_4 is:

POWEKOUNII

Not yet answered

Marked out of 1.00

Answer:

Flag
 question

Determine A in the following equation: $78 \cos(\omega t - 3\pi/2) = A \cos(\omega t + \pi)$. If the equation is invalid, then answer 0.0 for A.

Next page

Not yet answered

Marked out of 1.00

Answer:

Flag
 question

The real part of the complex number A = ln(2.58 - j7.74) is: