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3. Fourier series

Find the Fourier Series

1/1 point (graded)

What is the Fourier series for $\sin^2 \pi t$?

(Enter the first two nonzero terms.)

FORMULA INPUT HELP

1/2-cos(2*pi*t)/2



$$\frac{1}{2} - \frac{\cos(2\cdot\pi\cdot t)}{2}$$

Submit

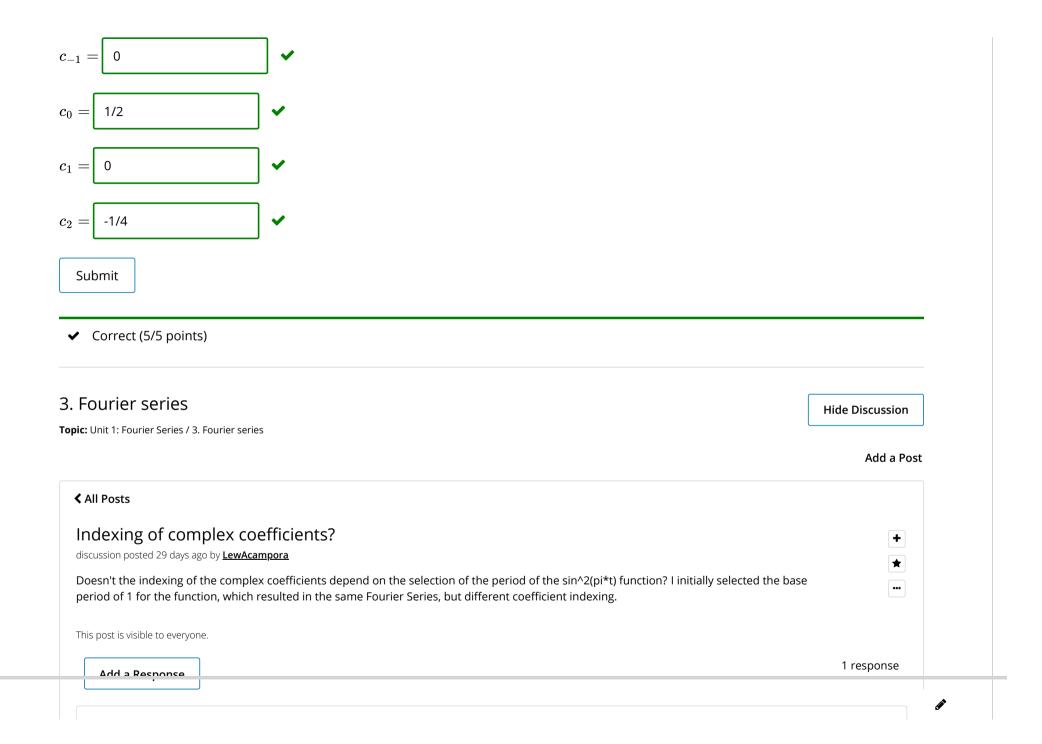
Find the complex coefficients

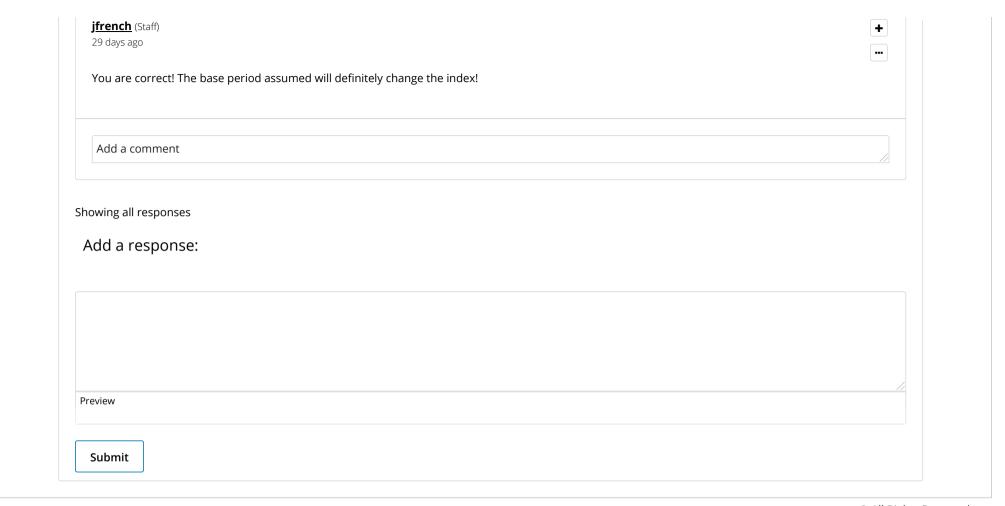
5/5 points (graded)

Find the coefficients of the complex Fourier series for $\sin^2 \pi t$. (Try doing this in two ways. First by converting the series found above into a complex series directly, and second by direct computation from the definition.)

 $c_{-2} = -1/4$

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