

Math 54 Quiz 21
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Find the Fourier series for the function

$$f(x) = \begin{cases} 0, & -2 \leq x < -1 \\ 1, & -1 \leq x < 1 \\ 0, & 1 \leq x < 2 \end{cases}, \quad f(x+4) = f(x).$$