1) The sketches below show two practical examples of electrical signals, showing the current $I$ in amps as a function of time $t$ in seconds. In each case, we want to know the harmonic content of the signal, that is, what frequencies it contains and in what proportions. To find this, expand each function shown in an appropriate Fourier series. Assume in each case that the part of the graph shown is repeated 60 times per second.

PRACTICE:
(a) Determine the Fourier series for the function whose graph is shown in the figure on the left. 
Your series should converge on the interval shown.

REQUIRED:
(b) Determine the Fourier series for the function whose graph is shown in the figure on the right. 
Your series should converge on the interval shown.