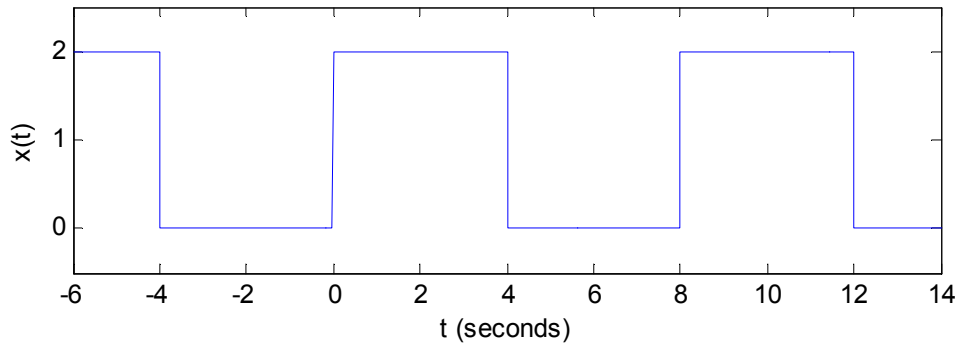


## EEE2035F Signals and Systems Quiz: 16 April 2007

Student Number:

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1. Find the coefficients of the Fourier series for the signal  $x(t)$  below:



2. Plot the magnitude and phase of the coefficients over the frequency range  $-\pi$  to  $\pi$ .
3. Sketch the signal  $y(t) = x(t) + 3$ , and explain how the coefficients differ from those of  $x(t)$ .