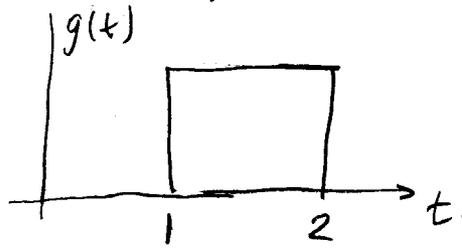
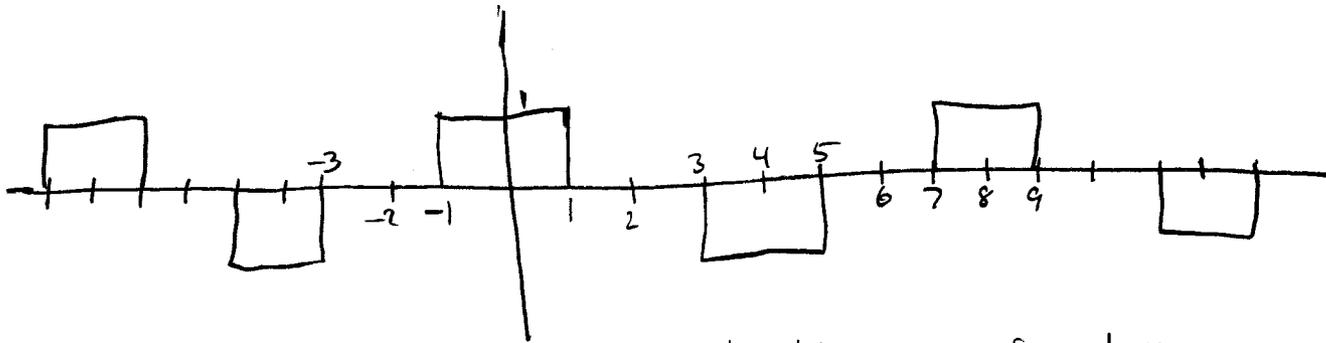


① Using the definition, find the Fourier transform of:



② Repeat using the tables and appropriate properties.

③ Find the coefficients of the Fourier series for:



Find only the formula and the numeric values for $n = 0, \pm 1, \pm 2, \pm 3, \pm 4$

Use intuition to simplify the calculations.
Explain why you can do this.