KFUPM.....Math & Stats Dept ....Math 301-02 (123) ... Quiz #6
ID:..... Name:.....

Exercise #1: Let

$$f(t) = \begin{cases} 0, & 0 < x < 1 \\ x + 1, & -1 < x < 0 \end{cases}$$

1) Graph f and its Fourier series expansion on different coordinate axes.
2) Find the Fourier series expansion of f.