

**Math 301 Quiz #3 Summer 2014**

Name:..... ID:.....

**Exercise # 1:** Find the Fourier series of

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

and plot its graph.

**Exercise #2:** Find the Fourier series of  $f(x) = x + 1, 0 < x < 1$ .