

Attendance Quiz 23

Name: _____ Date: _____

1. A function $f(x) = \begin{cases} 1 & \text{if } |x| < 1 \\ 0 & \text{if } 1 \leq |x| < 2 \end{cases}$, $f(x) = f(x+4)$ is given on the interval $[-2, 2]$ and f is periodic with period 4. Find the Fourier coefficients of f .