

Engineering Mathematics II---Quiz-4

May 3, 2006

1) $f(x) = |\cos x|, -\pi < x < \pi$

(a) Find the fundamental period.

(b) Find the Fourier series of $f(x)$.

2) $f(x) = 1, 0 < x < \pi$

(a) Find the fundamental period (for Fourier sine series).

(b) Find the Fourier sine series of $f(x)$.