

MAP 3306 eMath2 **Quiz 3** 21 Sep 2007 Name: \_\_\_\_\_

**Directions:** Show **ALL** work for credit; Give **EXACT** answers when possible; **SIMPLIFY** your answers;

1. Find the Complex Fourier Series of the  $2\pi$  periodic function  $f(x)$  given by

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