MAP 3306 eMath2   **Quiz 3**   1 Jun 2007   Name: _____

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

1. Find the complex Fourier series for $f(x) = x$ $(0 < x < 2\pi)$. (Hint: the case $n = 0$ needs to be handled separately.)