MAP 3306 eMath2   **Quiz 2**   25 May 2007   Name: _____

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

1. Half-range expansions: Find (a) the Fourier cosine series and (b) the Fourier sine series for

$$f(x) = 1 \quad (0 < x < 5)$$

Sketch the two $f(x)$ 10-periodic extensions.