

## MATH 568 – Homework for Section 2.4

due 30 August 2006

Write a computer program in Matlab to reproduce the pictures found in Figure 2.2 on page 13 in our text. For the exact solution, use the first few terms of the Fourier series we derived in class. Also, for each value of the two values of  $\Delta t$  to be used, provide the corresponding value of the lumped parameter  $\mu$ .