

Mathematics 3271 3.0
Fall 2018
Assignment 6

1. Section 27 in Weinberger: 1
2. Solve the initial value problem

$$\begin{cases} u'' + u' - 2u = e^x, & x > 0, \\ u(0) = 0, \\ u'(0) = 0, \end{cases}$$

using an influence function.