

Homework Assignment for Week 03

Assigned Mar 09, 2011.

1. Verify the formula of the Green's function for the differential equation

$$y'' + p(x)y' + q(x) = f(x), \quad y(0) = 0, \quad y(1) = 0.$$

(or take the example given in class and verify it).

2. Section 2.3: problems 5, 7, 8, 12(c).

Remark: 12(c) has no solution.