Engineering Mathematics

Homework 12

- 1. Find the Taylor series solution at x=0 for the following equation 2x(1-x)y''+(1+x)y'-y=0
- 2. Find the Taylor series solution at x=2 for the following equation $y'+y=2x^2+3x+1$
- 3. Find the Taylor series solution at x=0 for the following equation x(x-1)y''+(3x-1)y'+y=0