

Reading for March 4: Fourier Boas Chapter 7 Sections 1 - 5, 8-9 (We focus on the sections 5, 8, and 9.) Laplace Chapter 8 Section 8

- (1) Boas pg 355 problem 5
- (2) Boas pg 355 problem 7
- (3) Solve the initial value problem  $(1 + x^2)u' + 2xu = 0$ ,  $u(0) = 1$ .