

**MATH 286 – WINTER 2008
HOMEWORK SET 9**

Ex # 1. Solve the following initial-value problem using the Laplace transform.

$$tx'' + (4t - 2)x' + (13t - 4)x = 0, \quad x(0) = 0.$$

Ex # 2. Section 6.3, problem #6

Ex # 3. Section 6.3, problem #9

Ex # 4. Section 6.3, problem #19

Ex # 5. Section 6.6, problem #20

Ex # 6. Section 6.6, problem #27