King Fahd University of Petroleum and Minerals
Department of Mathematics and Statistics
Math 301 – Term 181 – Quiz 3

Name:

Student ID #:

Section #:

Question 1. Find the Laplace transform of $f(t) = e^{3t}(1 - 2t)\cos 2t$.

Question 2. Solve $y'' - 4y' + 4y = t^2 e^{3t}$, $y(0) = 2$, $y'(0) = 17$.