

King Fahd University of Petroleum and Minerals
Math & Stat. Departement
Quiz (3)

Name	ID	SEC	Sr
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Q1) Evaluate the Laplace transform of

$$f(t) = \sin^2 3t \cos^2 3t$$

Q2) Use Laplace transform to solve the I.V.P

$$y'' + 9y = e^t, y(0) = 0, y'(0) = 0$$