

King Fahd University of Petroleum & Minerals
Department of Mathematics and Statistics
(Semester 132) Math 301.2 Quiz # 3

Name: _____ I.D. # _____ Sr. # _____

1. Find $\mathcal{L}^{-1} \left\{ \frac{1}{s^2 + 4s + 13} \right\}$.

2. Using Laplace transform, solve $y'' + 4y' + 13y = \delta(t - \pi) + \delta(t - 3\pi)$, $y(0) = y'(0) = 0$.