

**King Fahd University of Petroleum and Minerals**  
**Department of Mathematics and Statistics**  
**Math 301 – Term 172 – Quiz 3**

Name:

Student ID #:

Section #:

**Question 1.** Find the inverse Laplace transform of  $F(s) = \frac{s^2+s-1}{2s^2+2s+1}$ .

**Question 2.** Evaluate  $\mathcal{L}\{(t-1)u(t-1)\}$ .