Department of Mathematics & Statistics

Term 153

Math 102

Quiz#4 (7.3, 7.4 and 7.8)

Family Name:

S.r#

$$Q1. \int \frac{1}{\sqrt{4x^2 + 4x - 3}} dx$$

Final Ans.

Q2. Evaluate the improper integral, $\int_{0}^{\infty} \frac{1}{\sqrt{x}(1+x)} dx$, if it is convergent or show that it is divergent. (**Hint:** Evaluate the indefinite integral first)

Final Ans.