

Name: _____
MAT 296

Quiz 8: Improper Integrals
Fall 2017

Problem 1: Integrate the following:

$$\int_0^{\infty} \frac{2x}{x^4 + 1} dx$$

Problem 2: Integrate the following:

$$\int_0^1 x \ln x dx$$

Problem 3: Integrate the following:

$$\int_{-\infty}^{\infty} x e^{-x^2} dx$$