

Math152 - Calculus II - Winter 2005

Quiz #4, February 7, 2005

In the following problems you are required to show all your work and provide the necessary explanations everywhere to get the full credit.

1. Evaluate $\int_{-\infty}^0 xe^x dx$

2. Show that the sequence $\left\{ \frac{n}{n^2 + 1} \right\}_{n=1}^{+\infty}$ is decreasing.