

Calculus II; Quiz 1

0. Print your name: _____

1. Find $\lim_{n \rightarrow +\infty} \sum_{i=1}^n \left(\sqrt{1 + i \frac{3}{n}} \right) \cdot \frac{3}{n}$

2. Find $\int_0^1 x^2 (x^3 + 1)^{12} dx$