

Math 231 Section A1
Quiz 9
July 16, 2007

Name: _____

1) Approximate $\int_0^1 \cos(x^2) dx$ to within .005.

2) Use Taylor series to compute $\lim_{x \rightarrow 0} \frac{x(\cos(x)-1)}{e^x + e^{-x} - 2}$.

Extra Credit: Find a fourth degree Taylor polynomial for $f(x) = \sqrt[3]{1+x}$.