Math 126: Calculus II   Name:_____

Quiz 10   *November 21, 2000*   Section:_____

1. Determine the Taylor polynomial of lowest degree that approximates $f(x) = e^x$ for $|x| < 0.2$ with an error less than 10^{-3}.

2. Compute the integral $\int_0^x \sin(t^2)\, dt$ using Maclaurin series.