

Attendance Quiz #16 for Dr. Z.'s Calc2 for Nov. 8 , 2012

NAME: (print!) _____ Section: _____

E-MAIL ADDRESS: (print!) _____

1. Find the Maclaurin series for $f(x) = e^{2x}$ using the definition of a Maclaurin series.

2. Use known Maclaurin series to obtain the Maclaurin series for $f(x) = x^3 e^{-4x}$.

3. Find the first four non-zero terms of the Maclaurin expansion of $e^{-3x} \sin(2x)$