

ESP Quiz 9 (Kouba)

Please PRINT your name here : -----

This quiz is due next Tuesday at the beginning of ESP class.

1.) (25 pts. each) Use $a_n = \frac{f^{(n)}(a)}{n!}$ to find the first three nonzero terms (and the general formula) of the Taylor series centered at $x = a$ for each function.

a.) $f(x) = \frac{1}{1-x}$ and $a = 0$

b.) $f(x) = \sqrt{x+3}$ and $a = 1$