

Calculus II. Quiz 8b. Name _____ Time _____

Show all work for full or partial credit. Put a box around your final answer in each part.

1. Find a power series which converges to the following functions, in the standard form $\sum_{n=k}^{\infty} a_n x^n$ where $k \geq 0$.

(a) $f(x) = \frac{x^3}{(1-x)^2}$

(b) $f(x) = e^{2x}$