

QUIZ 4

1. (3 points) Rewrite the following limit on $[1,4]$ as a definite integral:

$$\lim_{n \rightarrow \infty} \sum_{i=1}^n [x_i \tan 3x_i] \Delta x$$

2. (3 points) Consider $\int_0^2 (6x - 1) dx$. Suppose that you want to compute this definite integral using the definition (ie: finding the limit of the Riemann sum). Find Δx and x_i for this definite integral.

3. (4 points) Compute $\int_0^2 (6x - 1) dx$.