

Mathematics 122 Quiz #21

Name: _____

1. Let $f(x) := \frac{1}{x}$. Then estimate give an upper bound on $\int_1^3 f(x) dx$ by splitting the interval $[1, 3]$ into four equal length subintervals and computing the upper sum.

Upper bound = _____

2. Compute $\int_1^3 f(x) dx$ using your calculator.

 $\int_1^3 f(x) dx =$ _____