

QUIZ 1

Time: 10min

Let $f(x) = x^2$, $0 \leq x \leq 5$. Suppose that we divide the interval $[0, 5]$ into 10 equal segments and compute the corresponding left hand sum and right hand sum of f . Which sum is bigger? Why? What is the difference between the two sums? Into how many segments should we divide $[0, 5]$ so that the difference is less than 1?