

232 Quiz 4

Name: _____

February 24, 2012

Name: _____

Work individually. You may use your Notebooks.

1. (like #16 in 7.2) Explain why the sum $\sum_{k=1}^{100} f(2 + 0.1(k - 1))(0.1)$ can't possibly be a Left Sum for f on $[a, b] = [2, 5]$. Please be concise and to the point.

2. (like #19 in 7.4) Suppose f is a function whose average value on $[-2, 5]$ is 10 and whose average rate of change on the same interval is -3 . Sketch a possible graph for f . Illustrate the average value and the average rate of change graphically on your graph of f .