3450:221 Calculus, Kreider

Name: _____

Quiz 18, section 5.1

1. (5 pts) Use numerical sums to estimate the area under the curve $f(x) = \sin x$ on the interval $[0, 1]$ using $N = 5$ rectangles; use right endpoints for the heights of the rectangles. Radian mode!

2. (5 pts) Use numerical sums to estimate the area under the curve $f(x) = \sqrt{x^2 + 3}$ on the interval $[1, 5]$ using $N = 4$ rectangles; use right endpoints for the heights of the rectangles.