**Math 3A Test 4 Study Guide**

1. Optimization for demand problems (Sec 4.7) 

2. Newton’s Method (Sec 4.8)

Userepeatedly until you get the same number (within your desired accuracy)twice in a row.

3. Antiderivatives (Sec 4.9)

is an antiderivative ofif

 

 

 

 

 

 

 

4. Position Function/Velocity/Acceleration (Sec 4.9)



5. Estimating Areas Using Rectangles (Sec 5.1)

 

6. The Definite Integral and Area (Sec 5.2)







7. The Fundamental Theorem of Calculus Part 2 (Sec 5.3, 5.4)

where F is an antiderivative of f.

8. The Fundamental Theorem of Calculus Part 1 (Sec 5.3)



\*On [a, b] and if f is continuous on [a, b]