**Review Sheet #5**

MTH 125

Fall 2012

1. The midpoint rule leads to the approximation

Replace the function rectangle by a function to carry out the midpoint rule. For

your run to turn in, please use the function .

1. The trapezoid rule leads to the approximation

Replace the function rectangle by a function to carry out the trapezoid rule. For your run to turn in, please use the function .

1. Another approximation is given by

which is called *Simpson’s Rule*. Replace the function rectangle by a function that

carries out Simpson’s Rule. For your run to turn in, please use the function .