Math 125 **Quiz 2** (10 minutes) Tuesday, October 2, 2012

1 : Use the "midpoint rule" with $n = 4$ to approximate $\int_{-1}^{1} \sqrt{x+1}dx$. DO NOT USE DECIMALS, AND DO NOT SIMPLIFY ANY EXPRESSIONS

2 : Write down Riemann sums for the integral from 1) for right endpoints and $n = 100$.

3 : Compute $\int_0^2 (x + 2 + 3e^x)dx$