Math 10860, Honors Calculus 2

Quiz 3, Thursday February 6

Name:

1. (a) Give a clear & correct statement (including all hypotheses) of the fundamental theorem of calculus, part 1.

   (b) Give a clear & correct statement (including all hypotheses) of the fundamental theorem of calculus, part 2.

2. Determine directly (without comparison to other, known, integrals) whether the improper integral $\int_0^\infty \frac{dx}{\sqrt{x+1}}$ exists. (You may use FTOC if you wish.)