MATH 3161 Homework Assignment 8

**Instructions:** Solve and turn in all of the assigned problems, showing ALL steps or reasoning used in your solutions.

Due on Thursday, May 30th, at the BEGINNING of class.

p. 160-164: 3(a,b,c) (for part (c), your restricted domain should be an interval!), 7, 11

p. 190-191: 3, 6

• Define the function $f(x)$ with domain $[0, 1]$ by $f(x) = 1$ if $x = \frac{1}{n}$ for a positive integer $n$, and $f(x) = 0$ otherwise. Show that $f(x)$ is integrable on $[0, 1]$. 