MATH 107-253 Recitation 1

JD Nir
Avery 230 • Office Hours: TBD
jnir@huskers.unl.edu
www.math.unl.edu/∼jnir2/107-253.html
August 25, 2015

Agenda

- Introductions
- A note on the Philosophy of Calculus
- Policies and Expectations
- Questions and Exercises from yesterday's lecture
- Setting office hours

Introductions

1. Who are you? By what name would you like to be called?
2. What would you like to do? This might be related to your major, but I'm more interested in what you want to accomplish in life.
3. How do you feel about math and/or calculus? It's okay to be honest. I don't expect everyone to love calculus.

p. 269 #27:

(a) Graph $f(x) = x(x+2)(x-1)$.

(b) Find the total area between the graph and the x-axis between $x = -2$ and $x = 1$.

(c) Find $\int_{-2}^{1} f(x)\ dx$ and interpret it in terms of areas.

p. 269 #35: Sketch the graph of a function f (you do not need to give a formula for f) on an interval $[a, b]$ with the property that with $n = 2$ subdivisions,

$$\int_a^b f(x)\ dx < \textbf{Left-hand sum} < \textbf{Right-hand sum}$$