Section 1

TA: Dante Buhl

UCSC Math-19A

January 16, 2024

Plan for Today

Topics to Cover

- Introductions and forming groups
- Review Activity

Section Activity 1

- 3 questions

Assignments

- Homework 1 (Due Fri, Jan. 19th)

Introductions

Hello! I'm Dante.

About Me:

- graduate student in Applied Math
- 22 years old
- Play guitar
- Have two pet snakes
- Researcher in Fluid Dynamics

Get to know your classmates

Section 1

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Welcome to
Section!

Practice

Go meet 5 new people and ask them about their winter break and how they feel today on the animal scale :).

NOTE: Think about people you might want to form "working groups" with.

Learning Outcomes

- Understanding how to recognize and compute the value of signed area under curves.
- Differentiating different area under curve approximations and how to construct them.
- Applying Linearity to the sums, limits, and integrals.

Review Activity

Or you can find it in canvas files in section materials titled
reviewactivity1.pdf

Section Activity 1 (Access Code: 117f1)

$$p = \rho g h$$

$$l = 154m, h = 11m, \rho = 970.56 Kg/m^3$$