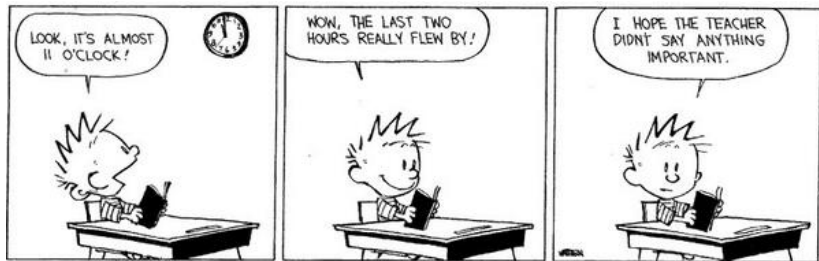


# Math 115 Town Hall

## Calculus of Functions of One Variable II

August 10, 2022



# Town Hall Questions.

- Who takes Math 115?
- What do we do in Math 115?
- How do I succeed in Math 115?

# Where Math 115 fits in the Calculus Sequence.

- Calculus 1: derivatives
  - AP Calculus AB
  - Math 110 + 111
  - Math 112
  
- Calculus 2: integration and series
  - AP Calculus BC
  - **Math 115**
  - Math 116 - biological systems focus (fall)
  
- Calculus 3: multivariable calculus
  - Math 120
  - Math 121 - biological systems focus (spring)
  - ENAS 151 - engineering focus

# Topics in Math 115.

- Integrals: definition and techniques
- Applications of Integration: areas, distances, volumes
- Infinite Series: convergence tests and definition
- Taylor Series and Polynomials
- Applications of Series: approximating functions
- Parametric and Polar equations

# Work Cycle in Math 115.

- **Before class:** Explorations (due by 7am on class days)
- **During class:** Active learning
- **After class:** Problem sets (due Wednesdays at midnight)



# Assessments in Math 115.

- Explorations
- Problem Sets
- Midterm 1 (integration)
- Midterm 2 (series)
- Final Exam (cumulative)

Grades: determined by YOUR score  
(not curved = not competing)  
Reward improvement!

# Poll.

What are you most concerned about heading into Math 115?

- A Keeping up with the pace of the course
- B Doing more independent work
- C Being intimidated by my peers
- D Taking important exams
- E Other

# Succeeding in Math 115.

- Baby steps.
- Ask why.
- Work together.
- Seek help.
- Make mistakes.
- Practice, Practice, Practice!





## Resources in Math 115.

- Office hours.
- Peer tutors.
- Concept checks and lecture videos (in Modules on Canvas).
- Practice exams and review sessions.
- Weekly learning strategies.

# Town Hall Questions.

- Who takes Math 115?
- What do we do in Math 115?
- How do I succeed in Math 115?
- (Your question here)

