# Infinitesimals

# MATH 110:
# Calculus I

# Questions?

# Labs

- You are encouraged to collaborate and discuss among your peers

- You will submit one lab for your group

- Type it up and submit it online by the end of the next lab

  - Cite all the resources used including other groups if you got ideas from them

- This time can also be used to ask me questions or to help each other with the current homework

# Lab 3

- What are infinitesimals*?

- Compare and contrast infinitesimals and limits?

- Which do you prefer?  Which is more intuitive?

- Where do you think you could use infinitesimals in the real world?

- What is the Intermediate Value Theorem (IVT)*?

- Find a few applications of the IVT.  (This could be math ones or real world ones)

*In your own words