

## Weekly Checklist: Week 10

Math 121, Fall 2024

(11/4-11/8)

### Class Lecture Videos

- None this week

### Homeworks

- None this week, although HW 15 is available to do if you want to get ahead for next week

### Take Home Quiz

- None this week

### Handouts

- Extra Examples of Interval of Convergence \_\_\_\_\_
- Taylor/MacLaurin Series \_\_\_\_\_
- Taylor/MacLaurin Series Blank Quiz Sheet \_\_\_\_\_

### Optional Practice Worksheet

- Practice Worksheet 10 (try around 11/8)

### Exam Preparation

- \* Study MacLaurin Series \_\_\_\_\_
- \* Practice Filling Blank MacLaurin Series Sheet \_\_\_\_\_

### Goals

- Solidify Interval and Radius of Convergence \_\_\_\_\_
- Solidify the series derivations of  $\arctan x$  and  $\ln(1 + x)$  \_\_\_\_\_
- Solidify Six MacLaurin Series \_\_\_\_\_
- Solidify Differentiation and Integration of Power Series \_\_\_\_\_
- Solidify Chart Method (Definition) for finding MacLaurin Series \_\_\_\_\_
- Solidify Substitution Method for finding MacLaurin Series using known Series \_\_\_\_\_
- Attend Office Hours \_\_\_\_\_
- Get some rest \_\_\_\_\_