

**MATH 2300**  
**Weekly-Work Prompts**

All responses are to be uploaded to Canvas for their corresponding weeks. All responses are due the Friday of the week they are assigned.

<b>Due</b>	<b>Prompt</b>
Week 1	Write a few sentences describing what you've liked about the class so far, what you've disliked about the class so far, anything you are looking forward to about the class, and anything you are concerned about moving forward. Also, for each day that we do group work, write down one thing that every member of your group has in common.
Week 2	<b>Please do not complete this weekly work prompt until the Friday.</b> Looking back on the first two weeks of class, what are some suggestions you have to make the lecture portion of class more accessible to you? For example, more individual work time during lecture, less individual work time, slower, make more individuals answer my questions, more use of technology, less use of technology, more examples, etc.
Week 3	Suppose I've given you a random integral out of a hat and asked you to solve. What is your flow chart you use when determining which integration technique(s) might work?
Week 4	<b>Please upload this to the Weekly Work 4 spot on Canvas.</b> Just say a few words about the exam. How did you feel about it? Did you feel it was fair? Etc.
Week 5	<b>UPLOAD THIS TO THE WEEKLY WORK 6 SLOT</b> How do you feel about all the physics stuff?
Week 6	Which topic are you the most worried about for the second mid-term exam?
Week 7	What did you think of mid-term 2?
Week 8	Which series tests are we having the most trouble with?
Week 9	How do we feel about the amount of discovery based group work we did during all these series tests? Would you prefer traditional lecture, or do you like to work through the handouts in groups with me stepping in when things are bleak?
Week 10	<b>THE QUIZ THIS WEEK IS ON THE NEXT PAGE. PLEASE UPLOAD YOUR QUIZ ALONG WITH YOUR RESPONSE TO THE FOLLOWING PROMPT TO CANVAS BY MIDNIGHT ON 11/27.</b> How did you feel about the exam? Did you think it was fair or unfair? Etc.

Quiz 10 (7 Points):

Problem 1 (5 Points): Find the Maclaurin series for  $f(x) = 1/x$  and find the interval of convergence.

Problem 2 (2 Points): Find the value of

$$\left(1 - 1 + \frac{1}{2} - \frac{1}{6} + \frac{1}{24} - \frac{1}{120} + \frac{1}{720} \mp \dots\right).$$