

MATH 1300
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.

Due	Prompt
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	Please do not complete this weekly work prompt until the Friday. 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	Upload this assignment to the Weekly Work 3 location on Canvas. Please write a few words about the exam this week. Just general thoughts.
Week 4	It feels to me that I haven't been able to keep you all engaged as well since the first exam. Why do you think that is? What can I do to regain the level of engagement we had before the exam? Also, write a sentence or two detailing how you feel about me going through the proofs of the derivative rules. Is it helpful to you? Would you prefer I skip it? Etc.
Week 5	UPLOAD THIS TO THE WEEKLY WORK 5 SLOT. REUPLOAD IF YOU HAVE ALREADY PUT SOMETHING THERE. Suppose that y is some function of x . Suppose further that I have the equation $y^2 = 2x + 1$. If I differentiate both sides with respect to x , the right hand side becomes 2, but what do you think happens to the left hand side? Remember, y is some function of x .
Week 6	What did you think of this exam?
Week 7	Let $f(x) = 2x + 1$. Find a linear approximation for $f(x)$ at $a = 2$. What do you notice?
Week 8	What topics are we most nervous about for our next exam?
Week 9	What did you feel about the exam? Did you feel that it was fair? Unfair? Why?
Week 10	THE QUIZ FOR THIS WEEK IS ON THE NEXT PAGE. PLEASE UPLOAD YOUR QUIZ WITH YOUR RESPONSE TO THE FOLLOWING PROMPT TO CANVAS BY MIDNIGHT ON 11/27 How is this integration stuff going?

Quiz 10: (7 points)

Problem 1 (5 Points): Compute

$$\int_0^6 x^2 - 2dx.$$

Problem 2 (2 Points): Suppose $\frac{d}{dx}(g(x)) = f(x)$, $g(0) = 2$ and $g(6) = 7$. Compute

$$\int_0^6 f(x)dx.$$