

Weekly 2 (Due Friday 8/15/25 at 11:59PM)

Overview: This assignment is worth **68 points**. Each question has multiple parts and each part is worth **4 points**. The grader determines your score for each part of each problem using the [Weekly Assignment Rubric](#). Specifically, the grader will be looking for evidence of conceptual understanding, correct mathematical reasoning, and excellent written-communication.

Guidelines: You are required to adhere to the Weekly assignment guidelines and the Use of Generative AI policy, which can be found on pages 3 and 4 of the [syllabus](#). Turn in your assignment via [gradescope](#).

Directions: Complete the following exercises from the [Active Calculus](#) textbook. You can click the links below to go directly to the exercise. Make sure to explain your reasoning whenever possible.

1. (16 points) Exercise [9.5.11](#), all parts except part (d). Make sure you can draw a generic picture¹ of the lines.
2. (20 points) Exercise [9.5.12](#), all parts except part (c). Make sure you can draw a generic picture² of the planes.
3. (16 points) Exercise [9.7.14](#). Make sure you can draw a generic picture of the surface containing the curves.
4. (16 points) Exercise [10.2.13](#).

¹Once you have drawn the picture for yourself, you can see this visualization of the situation: [GeoGebra: Exercise 9.5.11](#)

²Once you have drawn the picture for yourself, you can see this visualization of the situation: [GeoGebra: Exercise 9.5.12](#)