Please read the following instructions carefully:

- There are **two problems** in this quiz.
- The point distribution is given in the table below.
- Please write each solution on a separate page.
- This is a group quiz. Feel free to discuss the problems with your teammates. **You must, however, write and turn in your own work.**

Quiz 4

• Upload your work to Gradescope.

Question:	I	2	Total
Points:	5	5	IO

- I. (5 points) Evaluate the following integrals:
 - (a)

$$\int (e^{5x} + x^4 + (2x+1)^{10}) \, dx$$

(b)

$$\int_{1}^{e} \left(4x + \frac{1}{x}\right) dx$$

2. (5 points) Write down the integral that computes area enclosed by the curves y=x and $y=2x^2+5x$ between their points of intersection. Do **NOT** evaluate the integral.