

Tech Byte: Hit the Mark with Gradescope

August 18, 2025



Your team



Gretchen Zambrano
Senior Account
Manager



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Today:

- Going back to paper
- Benefits and challenges of handwritten assessments
- **Gradescope** overview
- Live product walkthrough
 - After this session: You can try grading in your own demo course!

Benefits and challenges of handwritten assessments

Types of Paper-based Assessments

Short Answer

6. (10 pts) Refer to the previous problem for an explanation of the context of this code. Fill in the missing line. It can be solved with one line but there are multiple possible approaches. If your solution requires two or three lines, fill in those lines above and below the blank as needed.

```
/** replace last factor with the value i */
public void replaceLastFactor(int i) {
```

```
int prev = data.set(data.size() - 1, i);
```

Multiple choice

Which of the following factors can affect demand for a good? Mark the box next to your selected answer(s).

- ☒ A. Changes in consumer preference
☐ B. More costly regulations
☐ C. Changes in income
☐ D. Changes in the cost of production

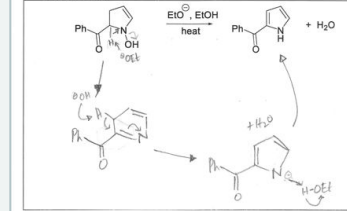
Name: John Doe ID: 20210123

Gradescope Bubble Sheet: Mark your choices by filling in the entire circle.

Question 1	<input checked="" type="radio"/> A <input type="radio"/> B <input type="radio"/> C <input type="radio"/> D	Question 16	<input type="radio"/> A <input type="radio"/> B <input type="radio"/> C <input type="radio"/> D
Question 2	<input type="radio"/> A <input checked="" type="radio"/> B <input type="radio"/> C <input type="radio"/> D	Question 17	<input type="radio"/> A <input type="radio"/> B <input type="radio"/> C <input type="radio"/> D
Question 3	<input type="radio"/> A <input type="radio"/> B <input checked="" type="radio"/> C <input type="radio"/> D	Question 18	<input type="radio"/> A <input type="radio"/> B <input type="radio"/> C <input type="radio"/> D
Question 4	<input type="radio"/> A <input type="radio"/> B <input type="radio"/> C <input checked="" type="radio"/> D	Question 19	<input type="radio"/> A <input type="radio"/> B <input type="radio"/> C <input type="radio"/> D
Question 5	<input checked="" type="radio"/> A <input type="radio"/> B <input type="radio"/> C <input type="radio"/> D	Question 20	<input type="radio"/> A <input type="radio"/> B <input type="radio"/> C <input type="radio"/> D
Question 6	<input type="radio"/> A <input checked="" type="radio"/> B <input type="radio"/> C <input type="radio"/> D	Question 21	<input type="radio"/> A <input type="radio"/> B <input type="radio"/> C <input type="radio"/> D
Question 7	<input type="radio"/> A <input type="radio"/> B <input type="radio"/> C <input checked="" type="radio"/> D	Question 22	<input type="radio"/> A <input type="radio"/> B <input type="radio"/> C <input type="radio"/> D

Diagrams / Maps

6.D. The cyclized intermediate then undergoes an E1CB mechanism and a tautomerization to yield the final pyrrole product. Show the mechanism below. (10 pts)



Show your work

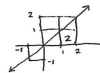
(c) Suppose that $f(x)$ is a continuous function where $\int_2^7 f(x) dx = 11$.

For the following expression, evaluate it or state that there is not enough information.

$$\int_2^7 f(x) dx + \int_2^7 f(x) dx + \int_2^7 f(x) dx$$

$$= \int_2^7 f(x) dx + \int_2^7 f(x) dx + \int_2^7 f(x) dx$$

$$= 11 + 11 + 11 = 33$$



Variable Length Assignment (HW 1)

$$f'(x) = 30x^4 + 132x^3 - 90x^2$$

$$= 6x^2(5x^2 + 22x - 15)$$

$$= 6x^2(5x - 3)(x + 5)$$

$$2. \frac{d}{dx} e^{2x} \sin(5x) = 2e^{2x} \sin(5x) + 5e^{2x} \cos(5x)$$

Write

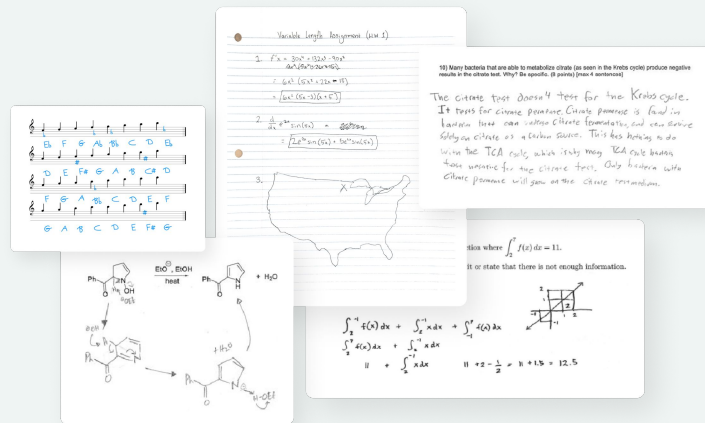
10) Many bacteria that are able to metabolize citrate (as seen in the Krebs cycle) produce negative results in the citrate test. Why? Be specific. (8 points) (max 4 sentences)


The citrate test doesn't test for the Krebs cycle. It tests for citrate permease. Citrate permease is found in bacteria that can utilize citrate fermentation, and can survive solely on citrate as a carbon source. This has nothing to do with the TCA cycle, which is why many TCA cycle bacteria test negative for the citrate test. Only bacteria with citrate permease will grow on the citrate medium.


Why do handwritten assessments persist?


Paper's strengths:

- Limits AI use
- Aligns with learning goals
- Pedagogical innovation
- Reduced distractions versus a digital tools



 Inside Higher Ed

 My account Become a Member Find A Job

 June 17, 2025

The Handwriting Revolution

Five semesters after ChatGPT changed education forever, some professors are taking their classes back to the pre-internet era.

By Johanna Alonso

Alonso, J. (2025, June 17). *Amid AI plagiarism, more professors turn to handwritten work*. Inside Higher Ed. Retrieved from <https://www.insidehighered.com/news/faculty-issues/curriculum/2025/06/17/amid-ai-plagiarism-more-professors-turn-handwritten-work#>

Inside Higher Ed: Examples of AI-resistant Authentic Assessments

- In-class **handwritten argumentative essays**, completed over multiple sessions
- **Flipped classroom writing activities** with in-class coaching
- Brief handwritten **reflections** after discussions or readings
- **Handwritten bluebook style exams** — renewed interest at some universities
- Highlighting and **annotating printed readings** by hand to show engagement with the content

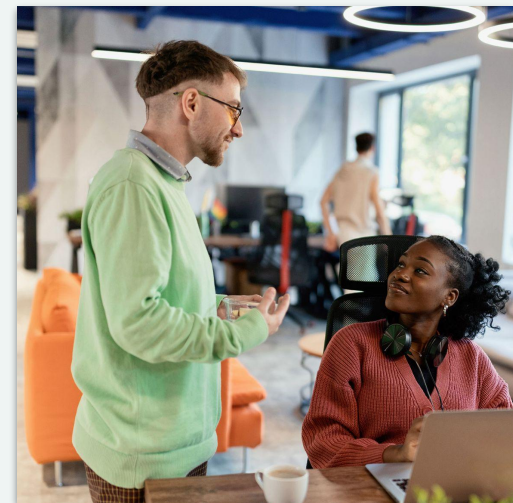
[Amid AI plagiarism, more professors turn to handwritten work.](#)



Challenges of grading paper-based assessment

For instructors:

- Time-consuming
- Fairness and consistency
- Providing feedback efficiently



Gradescope Overview

By the numbers globally

1.8k+
universities

1.9B+
questions
graded

5.4M+
students

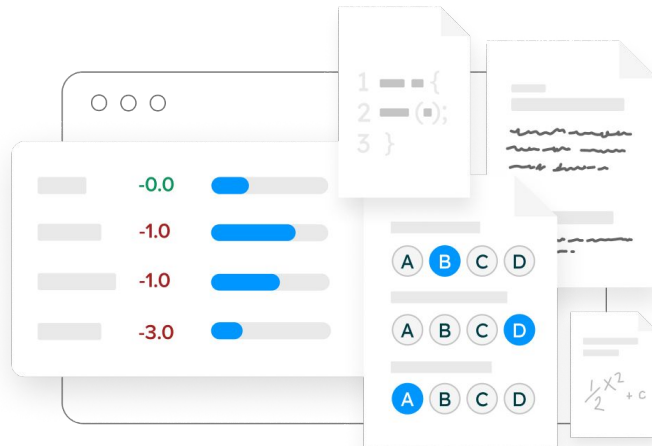
400k+
Instructors
& TAs

Expanded assignment types, including paper-to-digital assessment

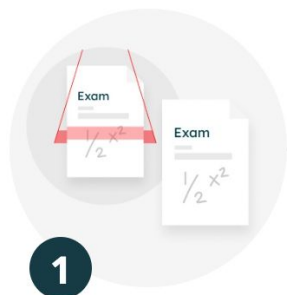
Gradescope expands the assessment options in your LMS by offering a variety of assignment types to fit a wide range of unique course needs.

Beyond the standard online assessment, Gradescope's paper-to-digital grading workflow **supports digitization and data gathering for handwritten assignments.** Instructors can grade a variety of additional assignment types:

- Paper-to-digital exams/quizzes
- Handwritten homework/problem sets
- Bubble sheets
- Programming assignments

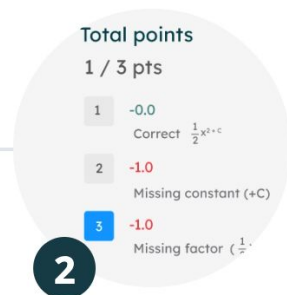


How it works



1 Scan Student Work

Students complete assignments as they normally would. Instructors/TAs scan collected work or students upload assignments directly to Gradescope.



2 Grade Submissions

Grade submissions online with dynamic rubrics.



3 Send & Export Grades

Return work digitally and manage regrade requests on Gradescope.



4 Get Detailed Analytics

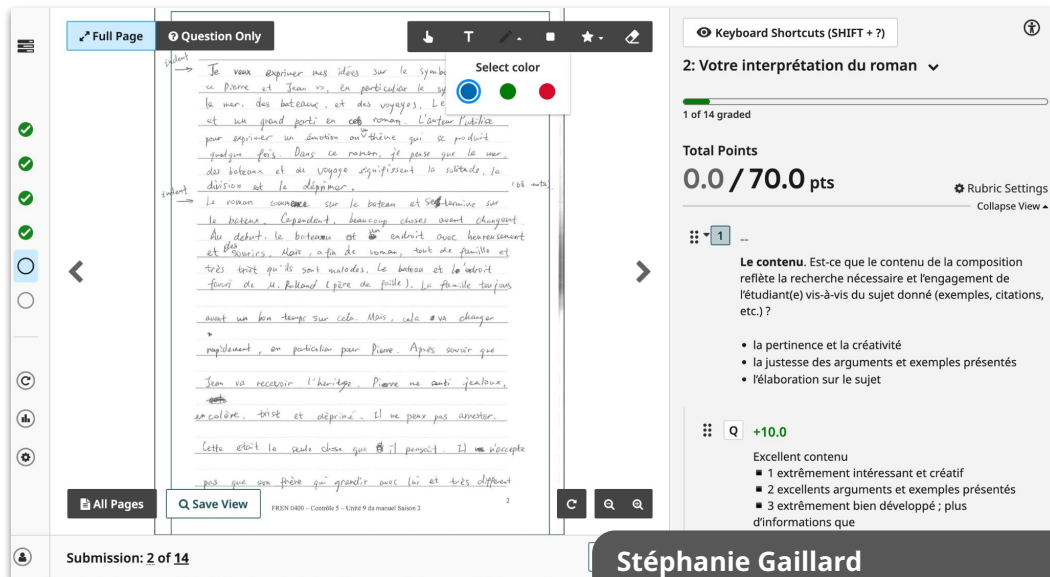
Review grades and analyze results.

Effective feedback, clear scoring, and structured rubrics

Make the most of time spent grading:

- Highlighting and commenting directly on scanned student work
- Detailed scoring and point-associated comments
- Flexible, reusable rubrics built / adjusted before or during grading

Short essay question
on a French exam



Question Only

2: Votre interprétation du roman

1 of 14 graded

Total Points
0.0 / 70.0 pts

Rubric Settings
Collapse View

Le contenu. Est-ce que le contenu de la composition reflète la recherche nécessaire et l'engagement de l'étudiant(e) vis-à-vis du sujet donné (exemples, citations, etc.) ?

- la pertinence et la créativité
- la justesse des arguments et exemples présentés
- l'élaboration sur le sujet

Q +10.0

Excellent contenu

- 1 extrêmement intéressant et créatif
- 2 excellents arguments et exemples présentés
- 3 extrêmement bien développé ; plus d'informations que

Submission: 2 of 14

Stéphanie Gaillard

Lecturer and Course Chair, French
Brown University

Gradescope uses answer grouping and AI assistance make it easy to quickly grade and provide personalized feedback to students

- Grading with consistency across students and sections
- Avoid unintended bias
- Managing student accommodations and regrade requests
- Reduce work setting up or duplicating assignments

Short answer questions on a Spanish quiz

Word-level matching and fill-in-the blank exercise

Focus on vocabulary meaning and sentence form

B. Preguntas y respuestas (12 points)

Match each question (**pregunta**) to its answer (**respuesta**). Then complete each answer with the correct form of **ser** or **tener**.

PREGUNTAS		RESPUESTAS	
1. ¿Eres de Latinoamérica?		a. _____ de Paraguay.	
2. ¿Ustedes tienen amigos en España?		b. No, _____ profesores.	
3. ¿Tienes un lápiz?		c. No, pero _____ un bolígrafo.	
4. ¿Tu teléfono tiene un reloj?		d. Sí, _____ de Honduras.	
5. ¿De dónde es tu amigo?		e. Sí, _____ amigos en Madrid y Barcelona.	
6. ¿Ustedes son estudiantes?		f. Sí, _____ un reloj excelente.	

B. Preguntas y respuestas (12 puntos)

1	D	a	soy
2	E	b	tingo *
3	C	c	tengo
4	F	d	tiene
5	A	e	Eres
6	B	f	SOMOS

AI

Group 1

Group 2

Group 3

AI-assisted grouping to grade multiple students' work at once

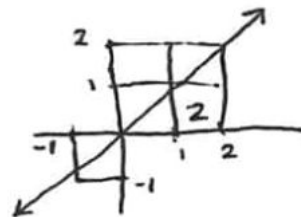
Alicia Munoz Sanchez
Academic Coordinator, Spanish,
University of California, San Diego

Flexible, Dynamic Rubrics

(c) Suppose that $f(x)$ is a continuous function where $\int_2^7 f(x) dx = 11$.

For the following expression, evaluate it or state that there is not enough information.

$$\int_2^{-1} (f(x) + x) dx + \int_{-1}^7 f(x) dx$$



$$\int_2^{-1} f(x) dx + \int_2^{-1} x dx + \int_{-1}^7 f(x) dx$$

$$\int_2^{-1} f(x) dx + \int_2^{-1} x dx$$

$$11 + \int_2^{-1} x dx$$

$$11 + 2 - \frac{1}{2} = 11 + 1.5 = 12.5$$

Total Points

0.5 / 1.0 pts

1 **-0.0**

Correct

2 **-0.5**

You had trouble calculating

$$\int_{-1}^2 x dx$$

Now that we have spent some time practicing how to integrate, go back and look over this.

3 **-0.5**

$$\int_2^{-1} x dx \neq \int_{-1}^2 x dx$$

Why not? What is the big difference?
Can you use the net change lens to justify this?

4 **-1.0**

There actually is enough information. You need to split the integrals up.

Collaborative grading

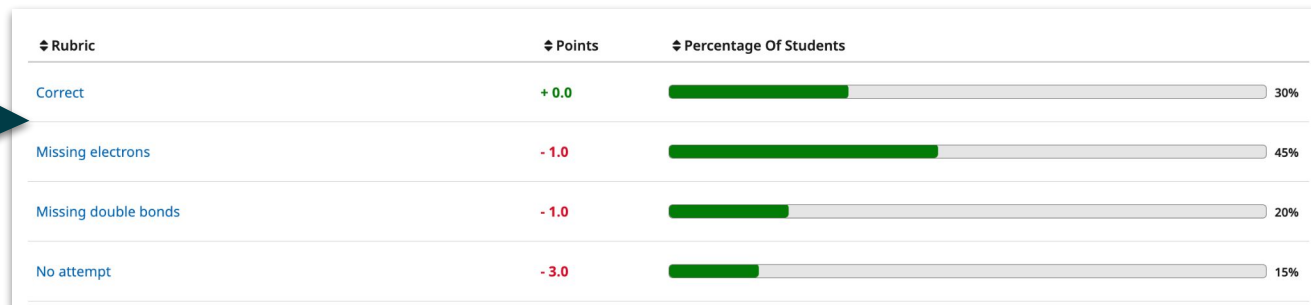
Grading Dashboard				
Question	Points	Progress	Grouped by	Graded by
1: True/False	3.0			
1.1: True/False 1	1.0	<div><div>100%</div></div>	AC	AC
1.2: True/False 2	1.0	<div><div>100%</div></div>	AC	AC
1.3: True/False 3	1.0	<div><div>100%</div></div>	AC	AC
2: Chemical Name for NO3	5.0	<div><div>100%</div></div>	AC	AC
3: Chemical Formula for Magnesium Chloride	5.0	<div><div>100%</div></div>	JS	JS
4: Grams of Phosphorus and Xenon	12.0	<div><div>100%</div></div>	JS	JS

Graders can easily access their assigned questions and grade from anywhere

Instructors have full visibility for grader management

Teaching insights

Easily identify most common mistakes with rubric-level stats



Tag	Question	Points	Mean
ConceptA	2 questions	5 points	<div><div></div></div> 55%
ConceptB	2 questions	6 points	<div><div></div></div> 67%
Lecture March 5	1 question	3 points	<div><div></div></div> 56%
Lecture Feb 20	1 question	3 points	<div><div></div></div> 71%

Customize data with question tags to track key concepts, lecture efficacy, and more.

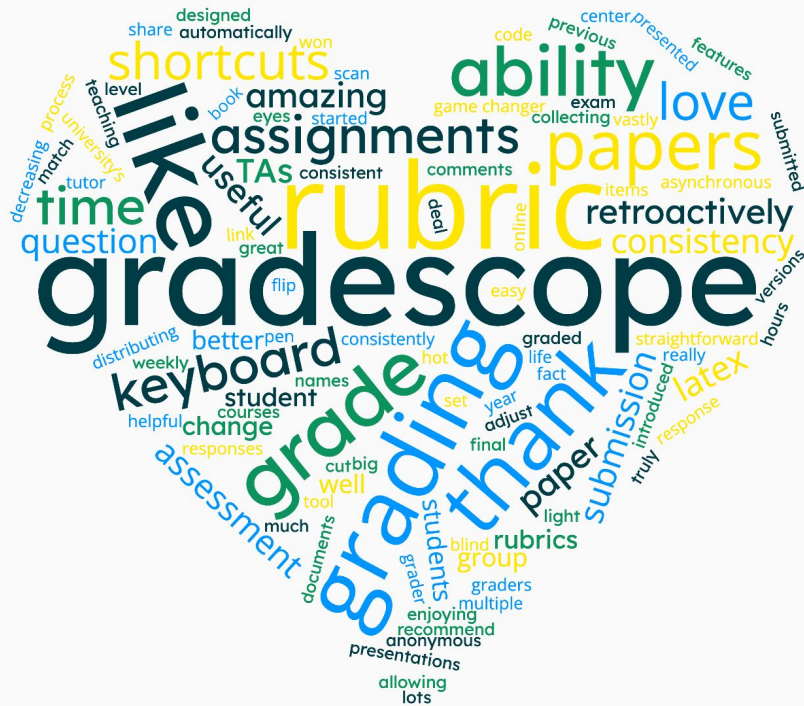
Product Walkthrough



Additional Resources

Demo courses, regrade requests, student view, scanning tips, and demo courses

Gradescope love



Gradescope Tutorial

Spring 2023

Demo

Course ID: 533033

Description

A demo course that provides a step-by-step tutorial on how to use Gradescope to grade a handwritten exam.

Active Assignments

Released

Demo Exam

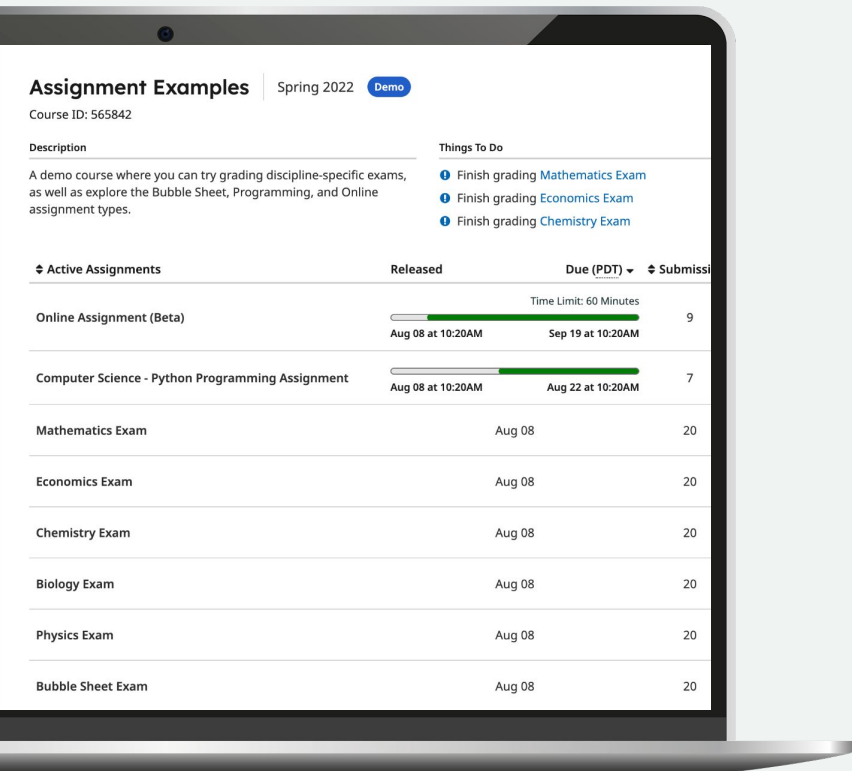
Apr 18

Get a guided tour of Gradescope

Your demo courses include a fully guided tour that helps instructors and TAs who are new to Gradescope learn the basics.

Helping to...

Easily learn how to use Gradescope during onboarding



Experience Gradescope for your discipline

The Assignment Examples demo course gives insight into how Gradescope can be used in a wide variety of disciplines.

Helping to...

Easily see (or show a colleague!) how Gradescope can support assessment in a specific subject area

Grading even faster: Keyboard shortcuts

Keyboard Shortcuts - Shortcuts Showing

Name: _____ Student ID: _____

Math 101 – Quiz 1

Question 1 What is the integral of x ?

Question 2 What is the area of a circle of radius r ?

Question 3 The derivative of e^x is...

☐ e^x ☐ $\log x$ ☐ e^{-1} ☐ x

Question 4 Calculus was independently invented by... (select all that apply).

☐ Barack Obama

☐ Gottfried Leibniz

Submission Index: A

Submission: 1 of 20

Keyboard Shortcuts (SHIFT + ?)

1.1: Integral

4 of 10 Graded

Total Points
0.0/4.0 pts

Rubric Settings Pop Out

Select rubric item: 0-9 Collapse View

1 -0.0
Default State

2 +0.0
Hover State

3 -0.0
Clicked State

+ Add Rubric Item Create Group Import

Submission Specific Adjustments

Point Adjustment 0

Provide comments specific to this submission

Apply Previously 1 comments

< Previous Ungraded << Previous Next >> Next Ungraded >

Previous Page: J Next Page: K

SHIFT + R F G

SHIFT + ?

Student feedback and engagement

Your regrade request for Question 1.1: Integral was sent to the instructor.

Name: Cody Hayes Student ID: 214159068

Introduction to Gradescope Fall 2014 Midterm

Q1. Calculus

Q1.1 [3pt] What is the integral of x^2 ?

$\frac{1}{2}x^2 + C$

Q1.2 [3pt] What is the integral of x^3 ?

$\frac{1}{4}x^4 + C$

Q2. [2pt] United States Geography

Mark North Dakota and South Dakota on the map below.

Hide Text

Student
Lyn Student

Total Points
5 / 12 pts

Question 1
Calculus 3.5 / 6 pts

1.1 Integral 2 / 3 pts

- 0 pts Correct answer of $\frac{1}{2}x^2 + C$

- 1.5 pts Missing or incorrect coefficient, $\frac{1}{2}$

✓ - 1 pts Don't forget to add the constant $+C$
9 1 Annotation

- 3 pts No attempt - please try to answer next time

Regrade Request Submitted on: Mar 30

I think I deserve another point on this question.

Edit Request

1.2 Derivative 1.5 / 3 pts

Question 2

1.1: Integral

Download Original Download Graded Copy Request Regrade Next Question >

Feedback is pinpointed with annotations


Grading is transparent for students

Students can request a regrade at the question level

Student or instructor can download graded work

Regrade Request Settings


Regrade Request Settings

 Enable or disable regrade requests, and optionally set a time window.


Regrade Requests


☒ Enable regrade requests

Start Date

10/04/2024, 03:57 PM 

End Date

10/11/2024, 11:59 PM 

 Regrade requests for this assignment are open from October 4 at 3:57 PM until October 11 at 11:59 PM.

Cancel

Save

Best Practices for Scanning

Scan with friends! Create an assembly line where each person manages a single activity:

- **Cut off the corner**
- **Scan** * multiple submissions in one batch
- Keep each batch of paper exams **organized**
- Automatically **forward** scanned files to a central and secure file location
- Give the scanned files a unique and recognizable **filename**
- **Upload** scanned PDF files to Gradescope



Thank you!

Q&A

