

# Why Derivita?



“At Derivita, we believe technology should serve as a tool to solve challenges that you and your students are facing right now AND also meet your most critical needs in creating a successful math learning environment - regardless of modality.”

*Devlin Daley*

CEO and Cofounder

[www.derivita.com/utah](http://www.derivita.com/utah)  
[www.uen.org/software/pilot](http://www.uen.org/software/pilot)



# Derivita and Canvas



**Devlin Daley** co-founded Instructure and, together with Brian Whitmer, created [Canvas](#).

After leaving Instructure in 2013, Devlin partnered with Ryan Brown, a former Google engineer, to tackle the challenge of improving math success for learners of all ages. [Derivita](#) was born.



# LMS Integration



canvas

- Set-up in minutes! Immediately available for **ALL** instructors.
- No separate accounts, usernames, or password required.
- No additional software, plugins, or extensions required.
- Create homework, quizzes, exams without leaving Canvas.
- 35,000 auto-graded questions. Scores sync automatically.
- Set availability and due dates using the Canvas calendar.



Set Up Takes  
Minutes. Immediately  
Available for **All**  
Instructors.



Seamless Integration  
with Canvas. No  
Separate Accounts  
Required.



Saves Instructors Time.  
35,000+ Math Questions  
from Algebra to Calculus  
!!!



Works on **Any** Device.  
Laptops, Tablets,  
Chromebooks, and  
Smartphones.

# Capabilities of Derivita

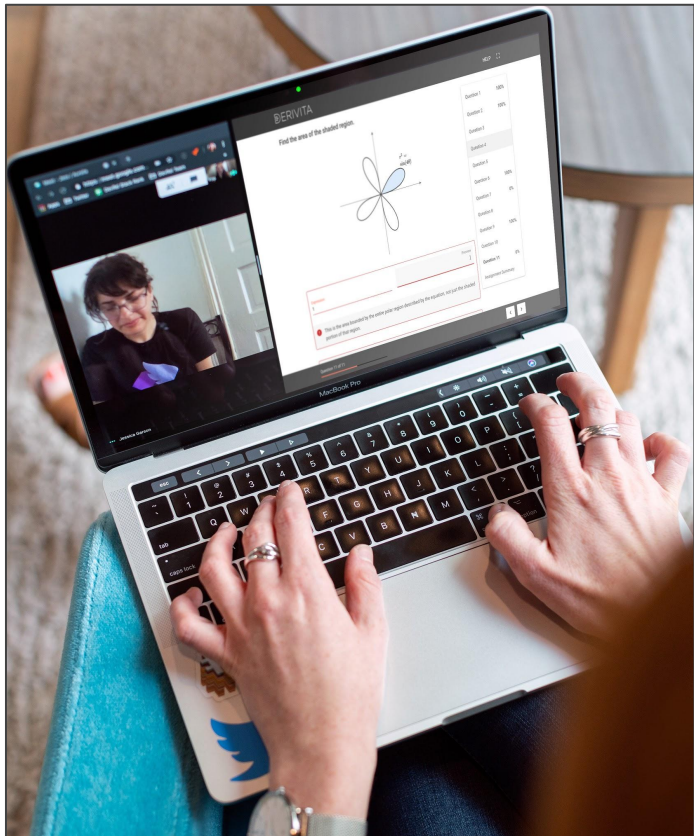


- Lower Cost, More Affordable
- Seamlessly Integrates with Canvas
- Accessible on **ANY** Device (including smartphones!)
- 35,000+ Auto-Graded Questions
- Homework, Quizzes, and Exams
- Students Receive Immediate Feedback!





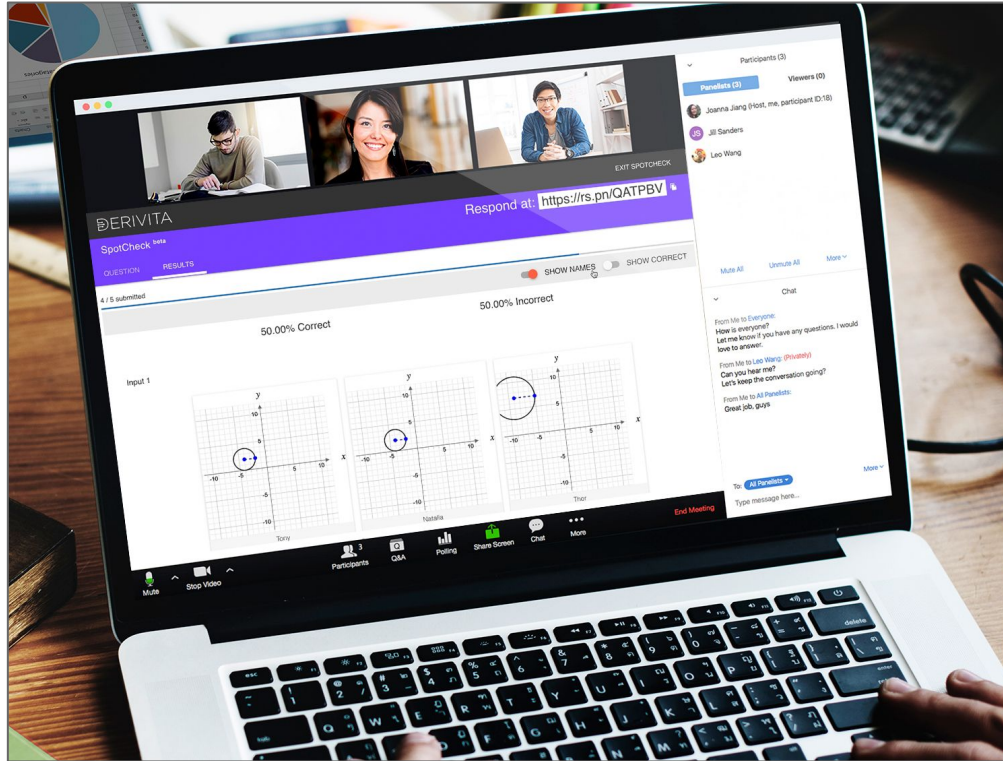
# Importance of Student Interaction



A research study from Columbia University's Teachers College showed that students who interacted more received a **full letter grade higher** than those who lacked interpersonal interaction.

Our collective goal should be to build **meaningful interactions** throughout each course: in-person, hybrid, or fully online.

# Engage Your Students with SpotCheck



**Having Trouble Engaging Students and Encouraging Participation?**

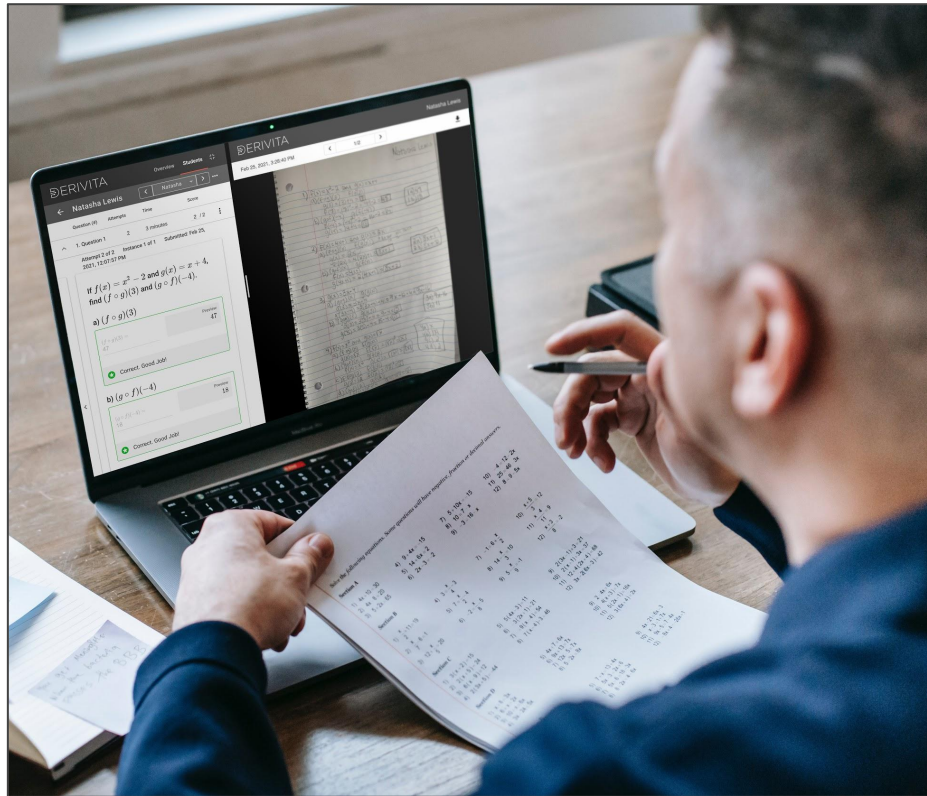
Assess students' understanding of key topics in real time

Quickly determine knowledge gaps

Increase student participation and engagement online AND in class

Works on ANY device - including smartphones

# Show Your Work!



Spending hours grading student work?

With Derivita's [Show Work](#) feature, students can use any device to upload a picture of their handwritten work. You can then view students' digital assignment side-by-side with their written work, quickly switch between students, and even provide partial credit.

# 35,000+ Questions at Your Fingertips



HS Algebra 1  
HS Algebra 2  
HS Geometry  
Probability and Statistics  
Quantitative Reasoning  
Elementary Algebra  
Intermediate Algebra  
College Algebra  
Trigonometry  
Precalculus  
Calculus I, II, III





# Homework, Quizzes and Exams

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Derivita is unmatched for formative assessment (homework and practice). Our faculty also told us that they needed tools for summative assessment (quizzes and exams). Derivita includes settings for all three modes of assessment.

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## Homework

- Mastery-based
- Multiple attempts
- Feedback on every question attempt
- Students are shown worked solutions

## Quizzes

- Password protected
- Time limits
- Accommodations
- Solutions can be turned on/off
- Students cannot work on quizzes after submission

## Exams

- Password protected
- Time limits
- Accommodations
- No feedback or solutions
- All questions graded at once
- Late work not accepted

# Timer Accommodations



Time limit overrides can be set for individual students and apply to ALL quizzes and exams for the entire course. Faculty only have to set overrides once!

DERIVITA Overview Students

### Time Limit Overrides

*i* These overrides apply to all timed Derivita assignments in this course

**New Override**

Student  
James Clerk Maxwell <maxwell@derivita.c

Custom Custom 3.5 **ADD OVERRIDE**

Student	Email	Timer Override
Charles Babbage	babbage@derivita.com	2x <span>×</span>

**CANCEL** **SAVE**



🕒 90:00 HELP

## Unit 1 Exam

You must start this exam before Fri, Nov 6, 2020 @ 11:59 PM.

You have a time limit of **90 minutes**. (A time adjustment of 1.5x has been applied.)

When you've finished entering your responses, click the "Submit" button on the Summary Page to receive your score.

**▶ START EXAM**

# Test Security and Lockdown



There is no one-size-fits-all when it comes to academic integrity. Our goal is to provide you with the tools and flexibility to meet your specific teaching and learning needs.

**More Question Types** - Interactive and open ended questions challenge students to think critically.

**Sophisticated Randomizations** - Students get different versions of questions and exams.

**Assignment Assembly** - Easy-to-use tools for creating more lower stakes assessments.

**Quiz and Exam Settings** - Configurable time limits, passwords, randomization, and feedback.

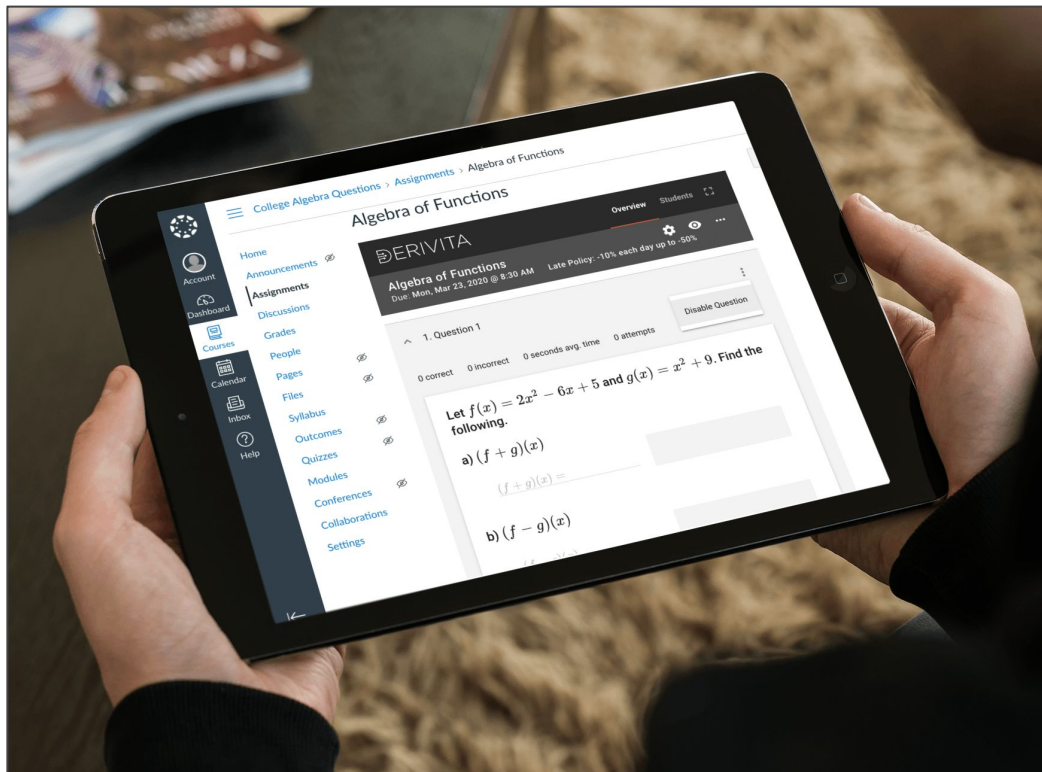
**Browser Lockdown** - Configurable for each assignment, quiz, or exam.

# Anytime, Anywhere, Any Device



Students can complete their assignments anytime, anywhere, and on any device including from their **smartphone!**

Students on phones or tablets can input their answers without the use of an external keyboard.





# Create Printed Assignments and Worksheets



Any Derivita assignment can also be rendered as a printed assignment. Printed assignments can be randomized to create multiple versions with or without solutions.

DERIVITA

Overview Students

Derivita Assignment: Exponential Growth and Decay  
Due: Not set

Started 29% Finished

Question (#)	% Correct	Avg. Time
1. Question 1	30 seconds	
2. Question 2	20 seconds	

Print Assignment  
Download Attempts  
Edit Due Date  
Clear Due Date

## Calculus Demo Assignment

*Devlin Daley*

*March 4, 2021*

Name

Date

Student ID

Section

1. Let  $f(x) = \sqrt{3-x}$  and  $g(x) = \sqrt{81-x^2}$ . Determine the following combined functions and their respective domains in interval notation.

a)  $(f+g)(x)$

$(f+g)(x) =$

Domain of  $(f+g)(x)$

Domain

b)  $(f-g)(x)$

$(f-g)(x) =$

Domain of  $(f-g)(x)$

Domain

# We Need Your Feedback!

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**Learn More, Request Access, and Provide Feedback:**



<https://www.uen.org/software/pilot>

[info@derivita.com](mailto:info@derivita.com)



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