Taking the Grind out of Group Grading:

A System to Improve Efficiency, Consistency & Pedagogy

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What is "Online Grading" (in this context...)

- What online grading IS NOT:
 - A robot inside of the computer that does the grading for you
 - (although this is a common misconception of our students...and some faculty)
- What online grading IS:
 - An online platform from which instructors grade exams
 - Tests are scanned in to the system and then graded manually online



Disclaimers!

1. I did not write this program. It was written by Will Schleter, a faculty member in the Engineering Department at UT Knoxville

2. This program is not available for use outside of UT Knoxville; instead my intention is to share our experiences with this grading system in order to inform your decisions with other programs



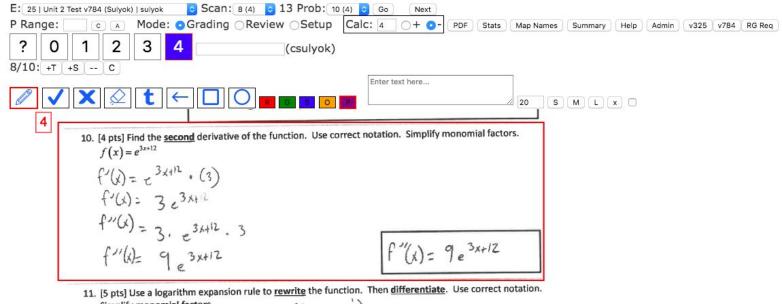
My Role...

- Serve as liaison between the math department and the creator of the software
- Troubleshoot problems for instructors and graders
- Train administrators, scanners, and graders to implement the software
 - Create and maintain written documentation
 - Produce videos
 - Facilitate in-person training sessions
- Manage logistics of departmental final exam scanning

(I also use the system personally in the classes I teach)



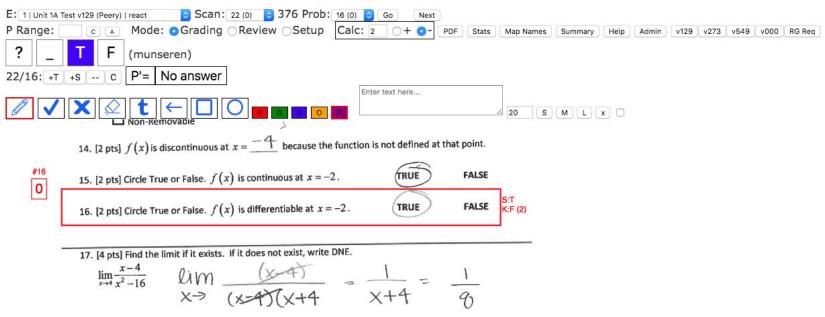
GM Math 125

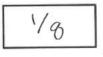


Simplify monomial factors. $g(x) = \ln(\sqrt{9x^{2}-2}) = \ln((9x^{2}-2)^{\frac{1}{2}})$ $g'(x) = \frac{1}{2} \ln(9x^{2}-2)$ $g'(x) = \frac{1}{2} \cdot (\frac{1}{9x^{2}-2})^{\frac{1}{2}}$ $g'(x) = \frac{1}{2} \cdot (\frac{1}{9x^{2}-2})^{\frac{1}{2}}$ $g'(x) = \frac{1}{2} \cdot (\frac{1}{9x^{2}-2})^{\frac{1}{2}}$ $g'(x) = \frac{1}{2} \cdot (\frac{1}{9x^{2}-2})^{\frac{1}{2}}$



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Benefits -- Efficiency

- Graders can start immediately and admins can monitor progress
- No tallying -- reduces human error
- Return tests without taking up class time
- No lost tests or changes to test after they are returned

- No one is trapped in a room grading; can grade remotely
- Multiple graders can easily grade large numbers of papers without having to shuffle papers around
- Can erase or change comments/scores



Benefits -- Consistency

- Instructors grade a few problems so coordinator can check for grading errors; graders can ask coordinator to view specific questions with ??
- Search for certain grades
- Look at section averages and investigate
- The system takes the grader directly to the correct problem; most of the time the grader does not see student identification information



Benefits -- Pedagogy

- Section Statistics
- Statistics for each problem
- Document of "Most Missed" Problems & Supplemental Materials
- Analyze the progress of repeat students between semesters
- The instructor can always see the test at any point in semester



Testimonials

"I presently use the online grading program for my class of 35 students. The time that I use to set up the test and scan in student exams is saved in bounds. While I used to spend three to four hours grading a test, I have cut that time down under two hours!"

(Cara Sulyok, Graduate Teaching Associate)

 "From an administrator's perspective, the online grading program has provided insight that was not available previously. In particular, we are analyzing the the progress of students who are repeating a course. We've been able to compare unit test scores from last semester to those from this semester in real time." (Malissa Peery, Distinguished Lecturer & Lower Division Chair)



Thank You! Any questions?

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