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*Using Free Online Software to Efficiently Assess Students*

The main Calculus I course at Cornell is undergoing an active learning restructure. As a part of this we have redesigned homework assignments to have two components: online (WeBWork) and more involved presentation problems. We hope to get the students exploring with the materials, as opposed to only performing calculations. I will show examples of online questions for calculus and linear algebra that encourage students to reflect on the concepts. By reducing the amount of graded questions and by using a grading tool we manage to give feedback to students that better prepares them for exams and future mathematical endeavors.