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The Impact of Web-Based Homework on University Calculus Students.

This presentation addresses characteristics and benefits of the use of technology for assessment and feedback in University Calculus classes in a liberal arts university mathematics department. In this mixed-methods study, the authors examined the effectiveness of web-based vs. paper-based homework on calculus students' final grades. Furthermore, we examined the perceptions of the students of the use of the two kinds of homework assessments. The presentation will conclude with implications for the use of web-based homework for students and instructors. (Received September 22, 2010)