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**RADOSLAV DIMITRIC\*** (rdimitric@juno.com), NEW YORK. *USING STUDENTS' TESTS TO IMPROVE TEACHING AND LEARNING*. Preliminary report.

Tests are used most often as an obvious assessment tool; there is more value in these tests than meets the eye however. I show, on concrete examples of calculus tests, how careful analysis of students' solutions (or the lack thereof) provides useful feedback on what concepts are objectively difficult, and how to better introduce them to the students, then possible drawbacks of instructor's approach to teaching certain concepts, as well as causes of difficulties students may have in acquiring concrete knowledge. (Received July 26, 2011)