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Jana R. Talley*, 355 48th Ave NW #4, Norman, OK 73072. *Prior Knowledge and Calculus Performance.*

This study investigates the responses to prior knowledge errors that Calculus I instructors make when assessing students. A two part qualitative study consisting of student exams and instructor interviews was employed. Instructors of a summer Calculus I course were interviewed and asked to elaborate on exam grading decisions. Analysis of these interviews were used to develop additional interview questions for Calculus I instructors of various research and teaching backgrounds. (Received August 22, 2008)