

1086-D1-2510 **Rebekah B. Johnson Yates*** (rebekah.yates@houghton.edu), Mathematics and Computer Science Department, Houghton College, 1 Willard Ave, Houghton, NY 14744. *Writing in Calculus I: Is It Derivative or Integral?*

“Mathematics, rightly viewed, possesses not only truth, but supreme beauty...” (Bertrand Russell in *Mysticism and Logic*). Too often, students in Calculus I become so mired in the details of derivative rules and other procedures that they miss the overarching beauty of the subject. To help my students see the big picture of calculus and to learn to communicate about that picture more broadly, I have created several writing assignments. In this talk, I will present highlights from the assignments and my students’ responses to them. (Received September 25, 2012)