

1035-F1-684 **Saburo Matsumoto*** (smatsumoto@masters.edu), Department of Mathematics, College of the Canyons, Santa Clarita, CA 91355. *Methods to Enhance Mathematical Writing and Thinking*. Preliminary report.

A "bridge course," offered as a transition to proof-oriented, upper-division mathematics course, should be designed with careful attention to the contents and methods that will achieve the specific objectives: improvement in mathematical writing and thinking. In my presentation, after brief descriptions of the contents, students, and specific emphases, I will carefully discuss why certain topics are essential and why certain methods are effective. These methods include proof-critiquing (much like in art and music), paradox analysis, online discussion, and in-class presentation. (Received September 13, 2007)