1096-N1-2324 **Cesar E. Silva*** (csilva@williams.edu). *One Proof is Not Enough.* Preliminary report.

Often a deeper understanding of fundamental ideas comes from knowing more than one proof of the important theorems. We will discuss examples of how to use this technique in a real analysis course. In particular we will discuss the manifold proofs of Cantor's theorem and the new ideas they involve. Part of this is based on joint survey paper with my former student, Christina Knapp. (Received September 17, 2013)