

1125-M5-3055      **Brandilyn Stigler\*** (bstigler@smu.edu), 3200 Dyer Street, Box 0156, Dallas, TX 75275. *Use of Templates in Teaching Proof Writing.*

Developing the skill of reading and writing proofs is typically difficult for students when they first encounter mathematical logic. While students are able to master the skill of reading mathematical statements, knowing how to approach proofs is often overwhelming. We present proof templates for standard mathematical statements using logical operators and quantifiers. These templates provide students with the structure of their proof. With this as a starting point, students can usually progress to completion of the proof, which boosts their confidence. We also describe classroom activities that support the development of reading, speaking, and writing in the language of mathematics. (Received September 20, 2016)