

1125-A5-1495      **Daniel R. Jordan\*** (djordan@colum.edu). *Proof-Writing Workshops*.

Workshops—commonly used educationally in the teaching of composition and professionally in the production of artistic works—can be a powerful tool to support students as they develop their proof-writing skills. In a proof-writing workshop, each student independently writes a proof of a statement and then provides feedback on the proofs of their peers and receives comments from them. Workshops can be used in any class where writing proofs, or even less formal mathematical communication, is emphasized. They are highly efficient learning activities, since workshops engage students in multiple roles, namely as author, as critic, and as the recipient of feedback. This presentation will focus on an implementation of proof-writing workshops in an online environment supporting an otherwise face-to-face class, with examples of student work and a discussion of benefits and challenges. (Received September 17, 2016)