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Fu-Shiang P. Tsen* (fsptsen@cc.nctu.edu.tw), #1001 Ta-Hsue Road, Department of Applied Mathematics, National Chiao Tung University, 30050 Hsin-Chu, Taiwan, Taiwan. *Creativity through Mathematics Proof Writing Tasks.*

A creativity motivated learning activity is studied through a carefully designed open-ended mathematics task used for eleventh grade mathematics class. Two raters were used to score each performance of each task according to a rubric which will reveal the three dimension states of creativity. The tasks were chosen from core homework assignments but with special requirements which mainly involve the ‘proof’ of the mathematics homework. (Received September 15, 2000)