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Neil J Calkin* (calkin@clemsn.edu), Department of Mathematical Sciences, Clemson University, Clemson, SC 29634-0975. *Experimental Mathematics: How An Undergraduate Could Be Led To Rediscover A Less Than Well Known Result.*

We will discuss introducing ideas from experimental mathematics into a Computing for Mathematicians class. We will focus on how the class can be led to rediscover some very pretty facts about Newton-Raphson (or the Babylonian) method to approximate square roots. (Received January 15, 2016)