1078-08-78 **Jennifer Hyndman*** (hyndman@unbc.ca), Department of Mathematics and Statistics, 3333 University Way, Prince George, BC V2N 4Z9, Canada. *Quasi-equations of unary algebras.* Preliminary report.

The original work on finite bases of quasi-equations for unary algebras included a classification of which 3-element unary algebras had a finite basis. Later it was shown that for 3-element unary algebras having a finite basis for the quasi-equations was equivalent to having enough algebraic operations. Having a primitive positive definition of either \leq on a two-element set or of $+ \mod n$ prevents a unary algebra from having a finite basis for its quasi-equations. In contrast, the the table of the clone of operations can sometimes be used to show the existence of a finite basis for the quasi-equations of a unary algebra. The current status of these types of theorems is discussed. (Received November 22, 2011)