

1116-00-2437 **Bonnie Gold*** (bgold@monmouth.edu), Mathematics Department, Monmouth University, 400 Cedar Avenue, West Long Branch, NJ 07764-1898. *Is school mathematics “real” mathematics?* Preliminary report.

One objection mathematicians often have to the work of philosophers of mathematics is that they don’t ever discuss “real” mathematics. Many philosophers don’t know mathematics beyond the school level (arithmetic and geometry); or if they know any advanced mathematics, it’s often logic or set theory, which one can argue are somewhat anomalous. I’ve been interested for many years in trying to answer “what is mathematics?” by looking at topics that are on the boundary – some would say they’re mathematics, others would say they’re not really mathematics. So I’d like to consider one such topic: is school mathematics “real mathematics” (as in David Corfield’s *Towards a Philosophy of Real Mathematics*, or as what each of us means by the term)? (Received September 22, 2015)