1042-20-168   **Robert H Gilman*** (`rgilman@stevens.edu`), Department of Mathematical Sciences, Stevens Institute of Technology, Hoboken, NJ 07030. *Generic properties of finitely presented groups.* Preliminary report.

A number of public key cryptosystems based on noncommutative groups have been proposed recently. Cryptanalysis of these systems has led to new questions about finitely presented groups. We review developments in this area and present some new results. (Received August 18, 2008)