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**Bonnie Gold\*** (bgold@monmouth.edu), Mathematics Department, Monmouth University, West Long Branch, NJ 07740. *George Polya on methods of discovery in mathematics*. Preliminary report.

George Polya, in his book *How to Solve It* and more so in his later two-volume *Mathematics and Plausible Reasoning* discussed methods of discovery in mathematics in considerable detail. This talk will examine both the methods he explicitly discussed, as well as some that are, I believe, implicit in his writing. (Received September 07, 2014)