As library collections are refined and edited for the advent of more open resources, tough decisions have to be made regarding existing collections. A research study was conducted analyzing the publishing habits of leading faculty at 3 prestigious universities to gain an understanding of what journals are most frequented for math research. Their publishing records were gathered, recorded, and analyzed for factors important to scholars and libraries alike. Findings from this research will be discussed, as well as future considerations for math faculty and libraries alike. (Received September 27, 2017)