1042-03-122   **Chris J. Conidis*** (`conidis@math.uchicago.edu`), Department of Mathematics, University of Chicago, 5734 S. University Avenue, Chicago, IL 60637. *Chain conditions in computable rings.*

We present some new results about the reverse mathematics and effective content of computable rings. In particular, we are most interested in the reverse mathematics of the theorem from classical commutative algebra which says that every Artinian ring is Noetherian. Time permitting, we will also discuss the complexity of radicals in noncommutative computable rings. (Received August 14, 2008)